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NORTH AMERICAN
HEMIPTERA - HETEROPTERA

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A
BIBLIOGRAPHY
OF
THE NORTH AMERICAN
HEMIPTERA-HETEROPTERA

BY

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TO
EWALD BERGROTH

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PREFACE

THIS bibliography is intended primarily to supplement Van Duzee's "Catalogue" (1917a), and it was undertaken at the instance of the author of that work. My first endeavor has been, therefore, to list with full bibliographic data and some brief comment (where this seems desirable) all the papers treating of the Heteroptera¹ to which Van Duzee makes reference, but I have tried to enumerate in addition all papers which have any bearing, direct or indirect, on the study of the Nearctic fauna, including biologic and economic publications which in my opinion make contributions of scientific value. In the exercise of the selection involved I may have overlooked some articles which might be deemed to fall properly within my scope, especially among the works of foreign authors, but the titles hereinafter listed number about 2,250 (by 600 authors), and I believe that the student will find among them a large majority of the sources to which he will need to turn in the study of the group. Omissions will be found most numerous, I suppose, among the papers of recent date, but I have thought it worth while to include all those which have come to my notice up to the last moment rather than to conclude the enumeration arbitrarily at a certain hour. I have excluded textbooks of entomology and general works except those which contain some definite contribution to Hemipterology.

The Hemiptera have been found in many instances to provide excellent material for the study of the chromosomes, so important in modern Genetics, but I have excluded papers on this subject since they pertain rather to the literature of Heredity than to that of Hemipterology proper, except such as contribute to the knowledge of closely related species; a very full list of these works will be found in Harvey, 1916 and 1920.

There are a number of minor, practical ways in which the bibliography may be of service in addition to its chief purpose as a concise survey of what has been written on the subject. It will facilitate ref-

¹A full bibliography of the Homoptera is in preparation by Dr. Z. P. Metcalf. Whether or not we give ordinal rank to these groups it is quite clear that the Heteroptera and Homoptera are becoming distinct and separate fields of study, their bibliography and taxonomy alike the provinces of specialists.

erence to separata from catalogues and other works which give only abbreviated citations, since these separata, which form a large part of the libraries of many investigators, are ordinarily arranged and kept in mind according to author and title; it will enable the younger student, the beginner, to get a clear notion, otherwise difficult to arrive at, of the number and general character of the various authors' contributions; and it will be of material assistance as a check list to those who are building up private libraries of Hemipterology. It will be noted that each work can be briefly and distinctively indicated by author and year (sometimes with an appended letter) and thus it will be possible to save a great deal of space in the overcrowded entomological journals by employing this very condensed form of reference.

A word of explanation may not be amiss on my method of citing continued articles and works which appeared originally in parts. I prefer to treat them as single bibliographic items, following the precedent of Hagen; thus it is frequently necessary to assign to them a double year-reference, noting the dates of the parts when publication occurred in more than two different years. Examination of the citations of Kirkaldy, 1898-1908, and Stål, 1870-1876, for instance, will make the matter clear. Another point to which attention should be called is that of actual dates of publication; my principle has been to adopt the dates given in the originals unless I happened to have information to the contrary. In special cases of importance the student will always have to investigate this delicate question for himself.

In the preparation of this paper I have been favored with the valued assistance of friends and correspondents too numerous to mention individually, to whom my best thanks are hereby expressed. In particular I feel under the greatest obligations to the courteous officials at the Academy of Natural Sciences of Philadelphia, where I was enabled to spend a week through a grant provided by Smith College; nor can I omit to mention the kind hospitality of my friends H. G. Barber and J. R. de la Torre-Bueno, whose private libraries I was thus enabled to examine at leisure. Finally, I am indebted to Dr. Z. P. Metcalf for practical aid and advice in the preparation of the manuscript.

None but those who have undertaken a similar investigation can realize the drudgery involved in it; but there has been full compensa-

tion and a profound pleasure in surveying the writings ancient and modern of those who have contributed to the same end — a knowledge of the Hemiptera. Many men, of many times and nationalities, divergent in all things save an identical intellectual interest — this is indeed the true Brotherhood of Man, an Utopia none the less inspiring in that it is existent!

No cataloguer has ever succeeded in making his work complete and I have no illusions on this score — the opportunities for error and omission are multitudinous. I hope, therefore, that those who have occasion to consult my work will make public such failings as are met with in return for the good they may derive from its use.

H. M. P.

Northampton, Massachusetts

December 20, 1924

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- 1898c Ueber einige amerikanische Capsiden.
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Synonymical notes and new forms.
- 1899 A new genus of Corixidae.
Ent. Mo. Mag., (2) X, (XXXV): 282.

- 1902 On the thorax of the Gerridae.
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Includes notes on the first abdominal segment in Miridae and on the family name.
- 1904a Scutellérides nouveaux.
Ann. Soc. Ent. Belgique, XLVIII: 354-357.
Includes synonymic notes on North American genera.
- 1904b Eine neue Art der Gattung Glypsus Dall. (Hemiptera-Heteroptera, Pentatomidae).
Rev. Russe d'Ent., IV: 32-33.
Arminae proposed in place of Asopinae.
- 1905a On stridulating Hemiptera of the subfamily Halyinae, with descriptions of new genera and new species.
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- 1905b Rhynchota neotropica.
Rev. d'Ent., XXIV: 104-112.
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- 1906a Neue Hemiptera aus Madagaskar. II.
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Note on gender of words ending in *-soma*, etc.
- 1906b Systematische und synonymische Bemerkungen über Hemipteren.
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General nomenclatorial principles, etc.
- 1906c Notes on American Hemiptera. I.
Can. Ent., XXXVIII: 198-202.
- 1906d Zur Kenntnis der Ploeariinen.
Verh. zool.-bot. Ges. Wien, LVI: 305-321.
Discusses Ploeariola *vs* Ploeariodes; many notes and new forms.
- 1907 Notes on American Hemiptera. III.
Ent. News, XVIII: 48-51.
Discusses the Acanthosomatinae, etc.

- 1908a Enumeratio Pentatomidarum post catalogum bruxellensem descriptarum.
Mém. Soc. Ent. Belgique, XV: 131-200.
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Ohio Nat., VIII: 371-382, figs. 1-5.
A careful systematic review of the group.
- 1909 The family name Lygaeidae.
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Rev. Russe d'Ent., IX: 324.
Plocariodes is confined to islands of the Pacific.
- 1910b On some Miridae from French Guiana.
Ann. Soc. Ent. Belgique, LIV: 60-68, 2 figs.
Synonymical notes, etc.
- 1910c Remarks on Colobathristidae with descriptions of two new genera.
Ann. Soc. Ent. Belgique, LIV: 297-304, maps.
Includes notes on the abdominal glandular spots in Coreidae.
- 1911a Zur Kenntnis der neotropischen Arminen (Hem. Het.).
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Important discussion of various genera of the subfamily.
- 1911b New neotropical Plocariinae.
Psyche, XVIII: 15-20.
- 1911c A new genus of Reduviidae.
Psyche, XVIII: 144-145.
Note on *Triatoma* vs *Conorhinus*.
- 1912a New or little known Ethiopian Hemiptera.
Ann. Mag. Nat. Hist., (8) X: 191-203, 2 figs.
Includes a note on copulatory hooks in Nabis.

- 1912b Nomenclatorisches über Hemipteren.
Wiener Ent. Zeit., XXXI: 162-164.
Important discussion of Myodocha, Hebrus, etc.
- 1912c New or little known Hemiptera, chiefly from Australia, in the
American Museum of Natural History.
Bull. Am. Mus. Nat. Hist., XXXI: 343-348.
- 1912d Notes on Coreidae and Neididae.
Ann. Soc. Ent. Belgique, LVI: 76-93, 1 fig.
- 1912e An American genus of Henestariinae.
Ann. Soc. Ent. Belgique, LVI: 147-149.
Includes a note on Mirid venation.
- 1913a Supplementum catalogi Heteropterorum bruxellensis. II. Core-
idae, Colobathristidae, Neididae.
Mém. Soc. Ent. Belgique, XXII: 125-183.
Supplement to Lethierry et Severin, 1893-1896.
- 1913b Notes on American Hemiptera. II.
Can. Ent., XLV: 1-8.
- 1913c On some North American Hemiptera.
Ent. News, XXIV: 263-267.
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- 1913d Bibliographisches über Hemipteren.
Ent. Mitteil., II: 10-12.
- 1913e On some Heteroptera from the Philippine Islands.
Ann. Soc. Ent. Belgique, LVII: 150-154.
Discusses the glandular spots in Lygaeidae, etc.
- 1914a Notes on some genera of Heteroptera.
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Acrosternum, etc.
- 1914b Descriptions of some Ethiopian Heteroptera with synonymical
notes.
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of a two segmented rostrum in Reduviidae.

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Ann. Soc. Ent. France, LXXXIII: 423-441, pl. 11.
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- 1914e Zwei neue paläarktische Hemipteren, nebst synonymischen Mitteilungen.
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- 1915a Some Tipulid synonymy.
Psyche, XXII: 54-59.
Includes a discussion of homonyms now in different genera, referring to Kirkaldy's methods.
- 1915b Ein neue Ameisengast aus Südafrika.
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Gives generic characters of Systelloderes.
- 1915c Some Javanese Hemiptera collected by E. Jacobson and Th. H. MacGillavry.
Zool. Meded., I: 109-123.
Includes various general notes on Gerridae, etc.
- 1915d A new species of Rheumatobates Bergr. (Hem., Gerridae).
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- 1916a New and little-known Heteropterous Hemiptera in the United States National Museum.
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- 1916c Heteropterous Hemiptera collected by Professor W. Baldwin Spencer during the Horn expedition into Central Australia.
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- 1919a Die Erscheinungsdata zweier hemipterologischen Werke.
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- 1919b Eine verschollene und eine neue Reduviiden-Gattung aus Madagascar.
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Includes a discussion of tribal divisions in Pygolaeminae.
- 1920a List of the Cylapinae (Hem., Miridae) with descriptions of new Philippine forms.
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Includes ecological remarks and discussion of tribes.
- 1920b Finsk entomologisk litteratur. 1914-1918.
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A complete list of publications by Finnish authors during the war.
- 1921a On Halyomorpha Mayr and allied genera.
Not. Ent., I: 4-8.
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- 1921b Notes on some Cyminae (Hem., Myodochidae).
Ann. Soc. Ent. Belgique, LXI: 165-168.
Includes remarks on Cymininus, etc.
- 1921 See Poppius and Bergroth.
- 1922a New Neotropical Miridae (Hem.).
Arkiv. Zool., XIV, No. 21: 1-24.
Contains some notes of general interest.

- 1922b On the South American Miridae described by C. Stal.
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Includes numerous taxonomic notes, redescrptions, new genera, etc.
- 1922c The American species of Ploeariola Reut. (Hem., Reduviidae).
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- 1922e On some neotropical Tingidae (Hem.).
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- 1922b A contribution to the life-history of *Deraeocoris ruber* L.
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London. xvi+416 pp., 22 pls.
Excellent treatment of 19 families, with keys, adequate descriptions,
additions to Vol. I, index to both volumes, etc. The other families are
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- 1898 Notes on American and other Tingitidae, with descriptions of
two new genera and four species.
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- 1921 The tibial comb of *Deraeocoris* Kirschb. (= *Capsus* and *Camp-*
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- 1903 On the habits of *Ploiaria culiciformis* (De G.).
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Experimental feeding with several Diptera.

Chagnon — Charbonnier: 31

CHINA, W. E.

- 1924a A new genus of Peloridiidae (Hemiptera) from Tasmania.
Ent. Mo. Mag., LX: 199-203, 5 figs.
Includes discussion of this family as intermediate between Heteroptera and Homoptera.
- 1924b A preliminary revision of the oriental species of Leptocoris, Latr. (Hemiptera, Coreidae).
Bull. Ent. Research, XIV: 235-239, 14 figs.
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- 1898b A new squash bug.
Can. Ent., XXX: 239-240.
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- 1899 The common squash bug (*Anasa tristis* De G.).
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- 1900 A new Tingitid on bean (*Gargaphia angulata* Heid.).
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- 1903 A brief account of the principal insect enemies of the sugar beet. Plant bugs.
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Gives good figures of *Halticus uhleri*, etc.
- 1908 The harlequin cabbage bug (*Murgantia histrionica* Hahn.).
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- 1920 Harlequin cabbage bug and its control.
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China — Chittenden and Marsh: 32

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Includes life history with figures of *Ischnorhynchus resedae*, on pp.
497-500, pl. 44.

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- 1890b Notes on the insect fauna of high altitudes in Custer County,
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- 1893 The entomology of the mid-alpine zone of Custer County, Col-
orado.
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- 1897 A parasite of Hemipterous eggs.
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- 1900 New insects from Arizona and a new bee from Mexico.
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- 1901a Flower and insect records from New Mexico.
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Gives a few flower records of Hemiptera.
- 1901b Hemiptera on Verbascum.
Psyche, IX: 227.
Three species of native Hemiptera on an imported plant.
- 1903a New bees from Southern California and other records.
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Classen — Cockerell: 34

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Appended to Van Duzee, 1903.
- 1905a *Leptoglossus zonatus* Dallas.
Ent. News, XVI: 18.
Economic note.
- 1905b An apparently new chinch-bug.
Ent. News, XVI: 308.
A New Mexican form is described, but not named.
- 1906 A fossil water-bug.
Can. Ent., XXXVIII: 209.
- 1909 Fossil insects from Colorado.
Entom., XLII: 170-174, figs.
- 1910a Some insects collected in northwestern Colorado in 1909.
Univ. Colorado Studies, VII: 126-130.
A few Hemiptera are mentioned.
- 1910b Some insects from Steamboat Springs, Colo. II.
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- 1912 Food plant of *Dysdercus mimus* Say.
Ent. News, XXIII: 327.
- 1913 Swarming of Hemiptera.
Jour. Ec. Ent., VI: 426.
- 1915 Sunflower insects.
Can. Ent., XLVII: 280-282.
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- 1916a Sunflower insects in California and South Africa.
Can. Ent., XLVIII: 76-79.
- 1916b Insects of the Coronado Islands, Lower California.
Ent. News, XXVII: 469.
- 1917 Sunflower insects in Virginia and Connecticut.
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COLLETT, H. R. P.

- 1922 Notes on two larvae of *Picromerus bidens* L.
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New observations on feeding and moulting.

COMSTOCK, John Henry

- 1879 On *Corythucha arcuata*.
Rept. Dept. Agr., 1879: 221-222, pl. 4, figs. 2-3.
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Effect of the odorous secretion.
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Science, (N. S.) XIX: 393-394.

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Notes on the habits and structure of *Phymata erosa*.

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pp., 2 pls., 1843; Decas 6-10, 41 pp., 2 pls., 1847; Cent. 3-4
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- 1864b Descrizione di taluni insetti stranieri all'Europa.
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- 1922 The genitalia of the males of certain Hemiptera (Heteroptera) and Homoptera.
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- 1912 See Matheson and Crosby.
- 1915 The apple redbugs.
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A very full account of *Lygus pratensis*, with bibliography and a list of described life histories of Capsidae or Miridae.

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- 1831 Description of the insects brought home by Commander James Clark Ross second voyage.
In Ross, Narrative of a second voyage, *etc.* App. Nat. Hist., pp. 61-80, 1 pl.
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Ent. News, XVIII: 32.

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DAHLBOM, Anders Gustav

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DA MATTA, A.

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1919b Notas para o estudo da Biologia do Rhodnius brethesi, n. sp.
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D'ANTESSANTY, G.

- 1883 L'Étude des Hémiptères.
Feuil. jeun. Nat., III: 40-43.
Notes on habits, collecting, and preserving.

DAVIDSON, A.

- 1903 "The kissing bug."
Bull. S. California Acad. Sci., II: 120-122.
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DAVIS, W. T.

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- 1911a [Note on the occurrence of *Largus succinctus* on Long Island].
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- 1911b Noteworthy Hemiptera collected on Long Island, N. Y.
 Jour. New York Ent. Soc., XIX: 112-113.
- 1912a A new species of *Pselliopus* (Milyas).
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- 1912b [Hemiptera from Rockaway Beach, L. I., taken in washup].
 Jour. New York Ent. Soc., XX: 202.
- 1915 Some of the insects of Chesapeake Beach, Maryland.
 Jour. New York Ent. Soc., XXIII: 153-154.

DELCOURT, A.

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DICKERSON, Edgar L.

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Jour. New York Ent. Soc., XXIV: 302-306, pl. 16.
1916b Notes on *Leptoypa mutica* Say (Hemip.).
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Life history.

- 1918 *Corythucha spinulosa* Gibson, a new lace-bug on wild cherry (Hem. Hom.).
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Life history.
- 1920 The insects of the evening primroses in New Jersey.
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- 1886 Belostomidae and some other fish-destroying bugs.
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- 1880- Insecta. Rhynchota. Hemiptera-Heteroptera, Vol. I. *In Bio-*
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- 1883 First report on the Rhynchota collected in Japan by Mr. George Lewis.
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- 1899a Rhynchotal notes. Heteroptera. Scutellerinae and Graphosominae.
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- 1899b Rhynchotal notes. Heteroptera: Plataspininae, Thyreocorinae, and Cydninae.
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- 1899c Rhynchotal notes III. Heteroptera: Discocephalinae and Pentatominae (part).
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- 1900b Revision of the Rhynchota belonging to the family Pentatomidae in the Hope collection at Oxford.
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- 1900c On the egg carrying habits of *Zaitha fluminea*.
Zoologist, (4) IV: 93-94.
- 1901a Revision of the Rhynchota belonging to the family Coreidae in the Hope collection at Oxford.
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- 1901b Rhynchotal Notes IX. Heteroptera: Fam. Coreidae.
Ann. Mag. Nat. Hist., (7) VII: 416-432.
- 1901c Rhynchotal Notes X. Heteroptera: Fam. Lygaeidae.
Ann. Mag. Nat. Hist., (7) VII: 531-541.
- 1901d Rhynchotal Notes XI. Heteroptera: Fam. Lygaeidae.
Ann. Mag. Nat. Hist., (7) VIII: 464-486, 497-510.
- 1902a Rhynchotal Notes. Heteroptera: Fam. Pyrrhocoridae.
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- 1902b Rhynchotal Notes XIV. Heteroptera: Families Hydrometridae, Henicocephalidae, and Reduviidae (part).
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1918 Rhynchota.
London, 7 vols.
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Vol. II. Heteroptera, xvii+242 pp., 1903; pp. 243-503, 1904, 319 figs.
Vol. III. Heteroptera and Homoptera, xiv+503 pp., 265 figs., 1906.
Vol. IV. Homoptera and Appendix (Pt.), xv+501 pp., 282 figs., 1908.
Vol. V. Heteroptera: appendix (Cont.), xii+362 pp., 214 figs., 1910.

Vol. VI. Homoptera: appendix, viii+248 pp., 177 figs., 1916.

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New forms, mostly Oriental.

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1904a Rhynchotal Notes. - XX.

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Capsidae, Part I.

1904b Rhynchotal Notes. - XXI.

Ann. Mag. Nat. Hist., (7) XIII: 194-206.

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Ann. Mag. Nat. Hist., (7) XIV: 61-66.

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1907 Current criticism.

Entom., XL: 2-3.

Reply to Kirkaldy, etc.

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Reply to Kirkaldy on Leptocoris, etc.

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Ann. Mag. Nat. Hist., (8) III: 317-345.

Lygaeidae.

1909c Oriental Rhynchota Heteroptera.

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1909d A reply to Mr. Kirkaldy.

Can. Ent., XLI: 95-96.

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- 1913 Rhynchota, part I: Suborder Heteroptera [of the Seychelles].
Trans. Linn. Soc. London, XVI: 139-191, pls. 11-13.
- 1914 Rhynchota from New-Caledonia and the surrounding islands.
In Sarasin et Roux, Nova Caledonia, Zool. I (L. IV. No. 10): 369-390, pls. 11-12.
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Dodd, Frederick P.

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Figures life history of *Tectocoris lineola* var. *banksi* Don.

Dogs, Walter

- 1908 Metamorphose der Respirations-organe bei *Nepa cinerea*.
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Stettin., 112 pp.
- 1860a Beiträge zu einer monographischen Bearbeitung der Familie der Emesina.
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- 1860b Hemipterologische Miscellaneen.
Stett. Ent. Zeit., XXI: 99-109.
- 1863 Beiträge zu einer monographischen Bearbeitung der Familie der Emesina. (Zweites Stück).
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- 1866 Zur Anatomie der Hemipteren.
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Donisthorpe, Horace

- 1921 *Nabis lativentris* Boh., a myrmecophilous insect.
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- 1792- The natural history of British insects, etc.
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DOUGLAS, John William

- 1865 On the occurrence of *Systellonotus triguttatus* (a hemipterous insect) in company with *Formica fusca*.
Ent. Mo. Mag., II: 30-31.
- 1866 About aquatic Hemiptera; including notices of new British species, etc.
Ent. Mo. Mag., III: 25-27.
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- 1866- On some peculiarities in the development of Hemiptera-Hetero-
1867 optera.
Ent. Mo. Mag., II: 270-272, III: 200-201, IV: 30-33.
Antennal malformations and brachyptery.
- 1874a On the mode of stridulation of *Coranus subapterus*, DeGeer.
Ent. Mo. Mag., XI: 137-138.
- 1874b On the resemblance to ants among the Hemiptera.
Ent. Mo. Mag., XI: 138.
- 1874c British Hemiptera — additional species.
Ent. Mo. Mag., XI: 9-12, 142-144.
Saldidae.
- 1875 British Hemiptera — additions and corrections.
Ent. Mo. Mag., XII: 29-30.
Characters of *Salda pallipes* and *S. pilosella*.
- 1876 British Hemiptera-Heteroptera — additional species.
Ent. Mo. Mag., XII: 222-224.
Discusses *Hydrometra* vs. *Gerris*.
- 1877a Notes on "Die Hemipteren-Gattung *Plinthisus* (Westw.) Fieb," by Dr. G. v. Horváth.
Ent. Mo. Mag., XIV: 19-20.

- 1877b Abnormal structure of the antennae of Hemiptera.
Ent. Mo. Mag., XIII: 188-189.
- 1880a The generic name *Pachymerus* in Hemiptera.
Ent. Mo. Mag., XVI: 260.
Holds it to be preoccupied.
- 1880b *Charagochilus Gyllenhali* macropterous.
Ent. Mo. Mag., XVII: 164.
Standing of *Poeciloscytus* discussed.
- 1880c Macropterous forms in the genera *Blissus* and *Plinthisus*.
Ent. Mo. Mag., XVII: 164-165.
Quotes Sajó on how to find macropterous specimens.
- 1882 *Gerris lacustris* in hibernation far from water.
Ent. Mo. Mag., XIX: 20.
- 1883 *Cimex* or *Acanthia*.
Ent. Mo. Mag., XIX: 202-203.
- 1895 *Capsus lanarius* feeding.
Ent. Mo. Mag., (2) VI (XXXI): 238-239.
Feeding on aphids.
- 1897 The *Cimex* in the nests of domestic fowls.
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Refers to American and European species.

DOUGLAS, John William and SCOTT, John

- 1865 The British Hemiptera. Vol. I. Hemiptera-Heteroptera.
London. xii+627 pp., 21 pls.
Lengthy descriptions and very fine figures; the families excessively subdivided.
- 1866a Additions to the British fauna (Hemiptera).
Ent. Mo. Mag., II: 217-220, 246-249, 272-276; III: 13-16.
- 1866b A word about "The British Hemiptera."
Ent. Mo. Mag., II: 259-260.
Reply to criticism and explanation of the plan of the work.
- 1867 British Hemiptera: additions and corrections.
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- 1909b New species of Tingitidae and description of a new Leptoglossus
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II. Species nova generis Sirthenea Spin.
III. Acanthiidae duæ insignes (Key to Acanthiid genera).
IV. Species nova Polyténidarum.
V. Adnotationes synonymicæ.
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- 1913b *Species mundi antiqui generis Calisius.*
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- 1915 *Monographie des Mésovéliides.*
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Very full account, with definitions of related families, remarks on the mutilated hemielytra, discussion of the family terminations *-iidae* vs. *-iadae*, etc. The Hebriformes are placed in the Gerroidea.
- 1916 *Note sur les deux Microvelia d'Europe.*
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- 1922 Ueber eine dem Tabak schädliche Hemipteren-Art aus Sumatra.
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An account with good figures of *Stenotus binotatus*.
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Arilus cristatus reported from Rhode Island.
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- 1898b The box-elder plant bug.
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- 1898c A new parasite of the harlequin cabbage bug.
Can. Ent., XXX: 17-18.
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- 1900b The insects to which the name kissing bug was applied during the summer of 1899.
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Discussion and good figures of several biting bugs, mostly Reduviidae.
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Contains a few brief notes on Hemiptera.
- 1918a A note on insects found on snow at high elevations.
Ent. News, XXIX: 275-277.
A few Hemiptera are mentioned.
- HOWARD, L. O., SCHWARZ, E. A., and BUSCK, A.
1917. A biographical and bibliographical sketch of Otto Heidemann.
Proc. Ent. Soc. Washington, XVIII: 203-205 (1916), portrait.
- HOWARD, William R.
- 1872 The radish bug — A new insect (*Nysius raphanus*, N. sp.).
Howard, L., Schwarz and Busck — Howard, W.: 94

Can. Ent., IV: 219-220. *Also* Phillips' Southern Farmer (Planter?), 1872, and Country Gentleman, XXXVII: 507 (Aug. 8, 1872).

HUBBARD, H. G.

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Can. Ent., XXIV: 250-255.

Insects in *Cryptoporus volvatus*, food of *Aradus debilis*.

1899 Insect fauna of the giant cactus of Arizona; letters from the southwest.

Psyche, VIII: suppl. I: 1-14.

A few Hemiptera are mentioned on page 14.

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Seven parts and supplement make up Vol. I.

1902 Catalogus insectorum faunae Germanicae: Hemiptera Heteroptera. Systematisches Verzeichnis der deutschen Wanzen.

Berlin. 40 pp. New ed. with supplement, 49 pp., 1910.

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Full keys, descriptions, distribution, and bibliography.

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Part II. Recueil d'observations de zoologie et d'anatomie comparée, 1817 (1833?).

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1917a The life history of *Mesovelia mulsanti* White.

Psyche, XXIV: 73-84, pl. 4.

Hubbard — Hungerford: 95

- 1917b The egg laying habits of a back-swimmer (Hem.) *Buenoa margaritacea* Bueno, and other biological notes concerning it.
Ent. News, XXVIII: 174-183, pl. 13.
Life history and annotated bibliography.
- 1917c Food habits of Corixids.
Jour. New York Ent. Soc., XXV: 1-5, pl. 1.
- 1917d Notes concerning the food supply of some water bugs.
Science (N. S.), XLV: 336-337.
- 1917e Life history of a boatman.
Jour. New York Ent. Soc., XXV: 112-122, pl. 9.
- 1917f The life history of the back-swimmer, *Notonecta undulata* Say (Hem., Het.).
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- 1918a Concerning the oviposition of Notonectae (Hem.).
Ent. News, XXIX: 241-245, pls. 14-15.
- 1918b Notes on the oviposition of some semiaquatic Hemiptera (Hebrus, Salda, Lampracanthia).
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- 1920a The biology and ecology of aquatic and semiaquatic Hemiptera.
Bull. Kansas Univ. Sci., XI (XXI): 1-256, colored pls. 1-3, pls. 1-30 (on numbered pages).
- 1920b The male genitalia as characters of specific value in certain Cryptocerata (Hemiptera-Heteroptera).
Bull. Kansas Univ. Sci., XI (XXI): 329-331, pls. 31-32 (on numbered pages).
- 1922a *Saldoidea slossoni* Osb. var. *wileyi*, new var., taken in Texas.
Bull. Brooklyn Ent. Soc., XVII: 64.
- 1922b Both *Hydrometras* in Kansas.
Bull. Brooklyn Ent. Soc., XVII: 78.
- 1922c Oxyhaemoglobin present in back-swimmer *Buenoa margaritacea* Bueno (Hemiptera).
Can. Ent., LIV: 262-263.

- 1922 See Moore and Hungerford.
- 1923a Notes on the eggs of Corixidae.
Bull. Brooklyn Ent. Soc., XVIII: 13-16, pl. 1.
- 1923b Some studies on the genus *Hydrometra* in America north of Mexico with description of a new species (Hydrometridae, Hemip.).
Can. Ent., LV: 54-58, pl. 1.
- 1923c A new species of the Genus *Buenoa* (Hemiptera, Notonectidae).
Ent. News, XXXIV: 149-152.
- 1923d The life history of the toad bug, *Gelastocoris oculatus* Fabr. (Gelastocoridae).
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- 1923e The Nepidae in North America north of Mexico.
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- 1924a A new *Mesovelgia* with some biological notes regarding it (Hemiptera-Mesoveliidae).
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- 1924b Stridulation of *Buenoa limnocastoris* Hungerford and systematic notes on the *Buenoa* of the Douglas Lake region of Michigan, with the description of a new form (Notonectidae-Hemiptera).
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HUNTER, W. D.

- 1902 The St. Andrew's cotton stainer.
Bull. U. S. Dept. Agr., Div. Ent., (N. S.) 38: 106-107.
Note on injury and distribution.

Hunter: 97

- 1912a The cotton stainer (*Dysdercus suturellus* H.-S.).
Circ. U. S. Dept. Agr., Bur. Ent., 149, 5 pp., 2 figs.
Rather full discussion.
- 1912b Some notes on insect abundance in Texas in 1911.
Proc. Ent. Soc. Washington, XIV: 62-65.
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- HUNTER, W. D., PRATT, F. C., and MITCHELL, J. D.
- 1913 The principal cactus insects of the United States.
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pls., 8 figs.
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- Husain, M. A. 1918. See Petherbridge and Husain.
- HUSSEY, Roland F.
- 1919 The waterbugs (Hemiptera) of the Douglas Lake region,
Michigan.
Occas. Papers, Mus. Zool., Univ. Michigan, No. 75, 23 pp.
An annotated list, with many keys.
- 1920 An American species of *Cymatia* (Corixidae, Hemiptera).
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- 1921 Distributional notes on Hemiptera, with description of a new
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- 204, Gerris; 296-300, Gerris; XXXIII, 1900: 148-152, Naucoridae; XXXVIII, 1905: 173-178, Naucoridae, water mites, stridulation, scent-gland openings, pl. 2; 231-236, Corixidae; XXXIX, 1906: 60-64, Corixidae; 79-83, Corixidae and Notonectidae; 154-157, Notonectidae (Plea) and Nepidae; XLI, 1908: 37, Conclusion, corrections.
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- 1899d On some aquatic Rhynchota from Jamaica.
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- 1899e [Review of Handlirsch's Monographie der Phymatiden].
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- 1899f Two new Rhynchota (Reduviidae and Corixidae) from Japan, and diverse notes.
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Corixa mercenaria from California.
- 1899g On the nomenclature of the Rhynchota. Part 1.
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Types of early genera; new family names; correction, *id.* p. 252.
- 1899h Sur quelques Hémiptères aquatiques nouveaux ou peu connus.
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- 1900- On the nomenclature of the genera of the Rhynchota, Het-
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A thorough review of the subject, with type fixations, etc.

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Entom., XXXIII: 207.
- 1900e Bibliographical and nomenclatorial notes on the Rhynchota.
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- 1901b The stridulating organs of waterbugs (Rhynchota) especially of Corixidae.
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- 1901f An addition to the Rhynchotal fauna of New Zealand (*Hemicocephalus Maclachlani*).
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- 1903b Current notes. No. 2.
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- 1903c Einige neue und wenig bekannte Rhynchoten.
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 Synonymy, etc.
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- 1904d Note on the coruco, *Haematosiphon inodora* (Dugès) (Hemiptera).
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- 1904e On the method of "oaring" in waterbugs (Hemiptera).
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- 1904f Zoological nomenclature.
Nature, LXIX: 464.
Type of *Cimex* discussed.
- 1904g Bibliographical and nomenclatorial notes on the Hemiptera.
— No. 2.
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Synonymy, etc.

- 1905c Five new species of *Micronecta* Kirkaldy (Aquatic Hemiptera).
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With note by Van Duzee. List of extra-palaeartic forms, with a brief discussion of the genus.
- 1905d Bibliographical notes on the Hemiptera. — No. 4.
Entom., XXXVIII: 76-79.
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Type species of *Cimex*, etc.
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Trans. Am. Ent. Soc., XXXII: 117-156, 156a-156b.
A very important nomenclatorial contribution, with many new type fixations, etc.; additions and corrections are given in the next item.
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I. Review of Reuter's Hem. Spek. (1905, I), with a translation of key to Mirid tribes. II. Additions and corrections to Kirkaldy 1906a, including a key to genera (mostly new) of the Polycetenidae.
- 1906c Bibliographical and nomenclatorial notes on the Hemiptera. — No. 6.
Entom., XXXIX: 247-249.
Discusses Gistel's work, etc. See Distant, *id* p. 274.
- 1907a Bibliographical and nomenclatorial notes on the Hemiptera. — No. 7.
Entom., XL: 12-15.
- 1907b Further remarks principally on some saccharicolous Fulgoroidea (Hem.).
Ann. Soc. Ent. Belgique, LI: 300-302.
Distribution of *Orthaea*, etc.

- 1907c A note on the authorship of the "Hope Catalogues," etc.
Ann. Soc. Ent. Belgique, LI: 310.
Westwood is author of both parts. (See Intro. "Class Ins." II: 484).
- 1907d "Current criticism."
Entom., XL: 58-60.
Reply to Distant 1907.
- 1907e Bibliographical and nomenclatorial notes on the Rhynchota.
Entom., XL: 61.
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- 1907f Bibliographical and nomenclatorial notes on the Hemiptera.
— No. 8.
Entom., XL: 123-124.
- 1907g A bibliographical note on the food of Miridae (Hemiptera).
Entom., XL: 287.
- 1907h On some Hawaiian Hemiptera-Heteroptera.
Can. Ent., XXXIX: 244-248.
Includes notes on some North American groups.
- 1907i Notes on Central American Hemipterous fauna.
Can. Ent., XXXIX: 248-250.
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- 1907j Biological notes on the Hemiptera of the Hawaiian Isles.
No. 1.
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- 1908a A list of the described Hemiptera (excluding Aleyrodidae and Coccidae) of the Hawaiian Islands.
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- 1908b A catalogue of the Hemiptera of Fiji.
Proc. Linn. Soc. N. S. Wales, XXXIII: 345-391, pl. 4.

- 1908c Notes on Corixidae No. 1 (Hem.).
Can. Ent., XL: 117-120.
Key to genera, with new species from North America.
- 1908d A synonymic note on certain Belostomidae (Hemiptera).
Can. Ent., XL: 164.
Synonymy of *Lethocerus*, *Belostoma*, etc.
- 1908e Some remarks on the phylogeny of the Hemiptera-Heteroptera.
Can. Ent., XL: 357-364.
Synopsis of families with phylogenetic table and tree.
- 1908f Bibliographical and nomenclatorial notes on the Hemiptera.
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Entom., XLI: 123-124.
Discusses *Leptocoris*; type of *Podisus*, etc.
- 1908g Bibliographical and Nomenclatorial notes on the Hemiptera.
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Entom., XLI: 188-189.
Hemiptera *vs* Rhynchota as ordinal names.
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Trans. New Zealand Inst., XLI: 22-29.
- 1909b Catalogue of the Hemiptera (Heteroptera) with biological and anatomical references, lists of food plants and parasites, etc. Prefaced by a discussion on nomenclature, and an analytical table of families. Vol. I. Cimicidae [= Pentatomidae].
Berlin. XL+392 pp.
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Can. Ent., XLI: 388-392.
- 1909 See Kershaw and Kirkaldy.
- 1910a Further notes on Hemiptera, chiefly Hawaiian.
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- 1910b Three new Hemiptera-Heteroptera from the Miocene of Colorado.
Ent. News, XXI: 129-131.
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Can. Ent., XLII: 62-65.
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G. buenoi (with note by de la Torre-Bueno); posthumous.
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1897a The species of Podisus occurring in the United States.

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1897b Notes on predaceous Heteroptera, with Prof. Uhler's description of two species.

Can. Ent., XXIX: 115-118.

KIRSCHBAUM, C. L.

1855 Rhynchotographische Beiträge. (Capsinen). Die Rhynchoten der Gegend von Wiesbaden. Erstes Heft. Die Capsinen.

Jahrb. Ver. Naturk. Herz. Nassau, X: 161-348. Also separate, Wiesbaden, 189 pp.

KNAB, Frederick

1908 Swarming of a Reduviid (Hemiptera-Heteroptera).

Proc. Ent. Soc. Washington, X: 7.

Habits of *Enicocephalus*.

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KLUG, Johann Christoph Friedrich

1829- Symbolae physicae, seu icones et descriptiones insectorum,

1845 quae ex itinere per African borealem et Asiam F. G. Hemprich et C. H. Ehrenberg studio novae aut illustratae redeunt.

Berolini. 5 parts, 50 pls.

Kirkaldy and Torre-Bueno — Klug: 112

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- 1915 Observations on the oviposition of certain Capsids.
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- 1916a Remarks on *Lygus invitus* Say, with descriptions of a new species and variety of *Lygus* (Hemiptera Miridae).
Can. Ent., XLVIII: 345-349, figs. 16-17.
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In McAtee, 1916.
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Ent. News, XXVIII: 3-8, figs. 1-2.
- 1917b A revision of the genus *Lygus* as it occurs in America North of Mexico, with biological data on the species from New York.
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Through systematic treatment, based on male genitalia.
- 1917c Records of European Miridae occurring in North America (Hemiptera, Miridae).
Can. Ent., XLIX: 248-252.
- 1917d Notes on species of Miridae, inhabiting ash trees (*Fraxinus*) with the description of a new species (Hemip.).
Bull. Brooklyn Ent. Soc., XII: 80-82.
- 1917e New species of *Lopidea* (Miridae, Hemip.).
Ent. News, XXVIII: 455-461, figs. 1-5.
- 1918a New species of *Platylygus* with a note on the male of *Largidea grossa* Van Duzee (Hemip. Miridae).
Bull. Brooklyn Ent. Soc., XIII: 16-18, pl. 1.
- 1918b An investigation of the scarring of fruit caused by apple red-bugs.
Bull. Cornell Exp. Sta., 396: 187-208, figs. 22-58.

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- 1918c Synoptic key to the subfamilies of Miridae (Hemiptera-Heteroptera).
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- 1918d New species of Lopidea from Arizona (Hemip. Miridae).
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Status of several common species fixed.
- 1918f Additional data on the distribution and food plants of Lygus with descriptions of a new species and variety (Hemip. Miridae).
Bull. Brooklyn Ent. Soc., XIII: 42-45.
Additions to Knight, 1917b.
- 1918g The genus Sericophanes with descriptions of two new species (Miridae. Hemip.).
Bull. Brooklyn Ent. Soc., XIII: 80-83.
- 1918h Interesting new species of Miridae from the United States, with a note on Orthocephalus mutabilis (Fallén) (Hemip. Miridae).
Bull. Brooklyn Ent. Soc., XIII: 111-116.
- 1919a The male of Lygus univittatus with the description of a new Lygus (Hemip. Miridae).
Bull. Brooklyn Ent. Soc., XIV: 21-22, fig. 3.
- 1919b The genus Bolteria Uhler (Hemiptera — Miridae).
Bull. Brooklyn Ent. Soc., XIV: 126-128.
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- 1921a Scientific results of the Katmai expeditions of the National Geographic Society. XIV. Hemiptera of the family Miridae.
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Contains records of eight Alaskan species.

- 1921b Monograph of the North American species of *Deraeocoris* (Heteroptera, Miridae).
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- 1921c A new species of *Bolteria* (Heteroptera, Miridae).
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- 1922a Nearctic records for species of Miridae known heretofore only from Palaearctic regions (Heterop.).
Can. Ent., LIII: 280-288 (18921).
- 1922b Studies on insects affecting the fruit of the apple, with particular reference to the characteristics of the resulting scars.
Bull. Cornell Exp. Sta., 410: 447-498, pls. 3-42.
- 1922c The genus *Cyrtopeltis* Fieber in North America (Heteroptera, Miridae).
Bull. Brooklyn Ent. Soc., XVII: 65-67.
- 1922d The North American species of *Labops* (Heteroptera-Miridae).
Can. Ent., LIV: 258-261, 1 fig.
- 1923a The Miridae in Britton, 1923, pp. 422-658. [Hemiptera of Connecticut].
- 1923b A new *Peritropis* from the eastern United States (Heteroptera-Miridae).
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- 1923c A fourth paper on the species of *Lopidea* (Heteroptera, Miridae).
Ent. News, XXXIV: 65-72, pl. 2.
- 1923d Manuals of Hemiptera in preparation.
Ent. News, XXXIV: 121.
- 1923e A new species of *Labopidea* on garlic (Heteroptera-Miridae).
Bull. Brooklyn Ent. Soc., XVIII: 31.
- 1923f Studies on the life history and biology of *Perillus bioculatus*

Fabricius, including observations on the nature of the color pattern (Heteroptera, Pentatomidae).

19th Rept. St. Ent. Minnesota, for 1922: 50-99, fig. 1, pls. 1-3.

1924a *Atractotomus mali* (Meyer) found in Nova Scotia (Heteroptera, Miridae).

Bull. Brooklyn Ent. Soc., XIX: 65.

—1924b On the nature of the color patterns in Heteroptera with data on the effects produced by temperature and humidity.

Ann. Ent. Soc. Am., XVII: 258-272, col. pl. 24.

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Ann. Sci. Nat. (Zool.), (6) XX, Art. 4: 1-62, pl. 1.

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KÖHLER, A.

1903 Ueber die Bildung des Chorions bei *Pyrrhocoris apterus*. (Vorläufige Mittheilung).

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KOLENATI, Fridrico A.

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Bull. Soc. Nat. Moscou, XXIX: 419-502, pl. 3.

KORSCHOLT, Eugen

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1886 [Eggs of *Ranatra* and *Nepa*].

Ent. Nachr., XII: 306-308.

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Kochler — Korschelt: 116

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- 1902 [Note on hibernation of *Milyas* (*Pselliopus*) *cinctus*].
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Zool. Anz., V: 574-579, 3 figs.

KRECKER, F. H.

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- 1902 [Descriptions of new species in Bayern, 1902].
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- 1905 Beitrag zur Kenntniss der Metamorphose geflügelter Heterop-
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- 1909 IV. Rhynchota.
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VII: 37-112, 111 figs.

KULWIEC, C. von

- 1898 Die Hautdrüsen bei den Orthopteren und den Hemiptera-Het-
eroptera.
Zool. Anz., XXI: 66-70, 1 fig.

KÜNCKEL d'HERCULAIS, J.

- 1866 Recherches sur les organes de sécrétion chez les insectes de
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C. R. Acad. Sci., LXIII: 433-436.
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- 1886 La punaise de lit et ses appareils odoriférants. Des glandes abdominales dorsales de la larve et de la nymphe; des glandes thoraciques sternaes de l'adults.
C. R. Acad. Sci., CIII: 81-83.
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- 1887 Recherches sur les glandes odorifiques des insectes Hémiptères, et particulièrement sur celles de la punaise de lit. - Mécanisme de la sécrétion. - Valeur dans la classification.
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- 1895 Étude comparée des appareils odorifiques dans les différents groupes d'Hémiptères - Hétéroptères.
C. R. Acad. Sci., CII: 1002-1004.

KUSCHAKEWITSCH, A.

- 1870 [Descriptions of some new Hemipterous insects]. (Russian title).
Horae Ent. Soc. Rossicae, IV (1867-1869): 97-101, pl. 2 and 1 text-fig.
Describes three American Pentatomids discussed by Van Duzee (1904).
1870 is the date given in the "Tables générales" of the Societas Rossicae.

LA FOLLETTE, R. A.

- 1915 Preliminary list of common Heteroptera from the Claremont-Laguna region.
Jour. Ent. Zool., VII: 123-129.
With very brief descriptions and a plate showing 24 species, without appendages.

LAKER, Abbott G.

- 1879 Note on the habits of *Ranatra linearis*.
Entom., XII: 142-145.

LAMARCK, Jean Baptiste

- 1801 Système des animaux sans vertèbres ou tableau général des classes, des ordres et des genres de ces animaux; présentant

Kuschakewitsch — Lamarck: 119

leurs caractères essentiels et leur distribution, d'après la considération de leurs rapports naturels et de leur organisation, et suivant l'arrangement établi dans les galeries du Muséum d'Histoire Naturelle parmi leurs dépouilles conservées, précédé du discours d'ouverture du cours de Zoologie donné dans le Mus. d'hist. nat.

Paris. VIII+432 pp.

1815- Histoire naturelle des animaux sans vertèbres.

1822 Paris. 7 vols. Hemiptera in vol. III, 1816.

LAMBERTIE, Maurice

1908 Notes sur les insectes nuisibles et utiles de l'ordre des Hémiptères du sud-ouest de la France.

Actes Soc. Linn. Bordeaux, LXII: 421-447 (+2).

Good descriptions of groups and of species.

LANDOIS, L.

1868 Anatomie der Bettwanze (*Cimex lectularius* L.) mit Berücksichtigung verwandter Hemipterengeschlechter.

Zeits. Wiss. Zool., XVIII: 206-224, pls. 11-12.

LANGE, D.

1905 A remarkable flight of *Corisa*, "water boatman."

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Mag. Zool., I, Nos. 52-55, suppl., 88 pp., pls. 51-55.

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1796 Précis des caractères génériques des Insectes, disposés dans un ordre naturel.

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Lambertie — Latreille: 120

- 1802- Histoire naturelle, générale et particulière des Crustacés et
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Paris. 14 vols. Hemiptera, in vols. III (An X = 1802) to XII, (An XII = 1804).

- 1806- Genera crustaceorum et insectorum secundum ordinem natu-
1809 ralem in familias disposita, iconibus exemplisque plurimis explicata.

Paris. 4 vols. Hemiptera in vol. III, 1807.

- 1810 Considérations générales sur l'ordre naturel des animaux com-
posant les classes des crustacés, des Arachnides et des in-
sectes avec un tableau méthodique de leurs genres disposés
en familles.

Paris. 444 pp.

- 1825 Familles naturelles du règne animal; exposées succinctement
et dans un ordre analytique, avec l'indication de leurs genres.

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Laurent, P. 1896. See Castle and Laurent.

LEACH, William Elford

- 1815 Hemiptera in Brewster's Edinburgh Encyclopædia, vol. IX.

First proposal of certain family names, etc.

- 1817 On the classifications of the natural tribe of insects Notonec-
tides with descriptions of British species.

Trans. Linn. Soc. London, XII: 10-18.

LE BARON, William

- 1871 Insects injurious to the currant, pp. 59-62 in First annual
report on the noxious insects of the State of Illinois. By
William Le Baron, M.D., State Entomologist.

Springfield. 96 pp., illus.

Contains on pp. 61-62 "The four-striped plant-bug (*Capsus* (*Phyto-
coris*) *quadrivittatus*, Say.)," an account of *Poecilocapsus lineatus*.

LECONTE, John L.

- 1855 Remarks on two species of American Cimex.

Proc. Acad. Nat. Sci. Philadelphia, VII: 404.

1859 See Say, 1859.

Ledig, R. 1918. See Johnson and Ledig.

LEFEBVRE,

1903 Observations sur l'anatomie microscopique de l'appareil salivaire de *Nepa cinerea*.

Ann. Soc. Sci. Bruxelles, XXVII: 192-195.

LEHMANN, Hans

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Senckenbergiana, I: 182-186.

Discusses eggs of several aquatic families.

—1922a Biologische Beobachtungen an *Notonecta glauca* L.

Zool. Jahrb., Abt. Syst., XLVI: 121-158, figs. A-C, pls. 5-6.

1922b Zweiter Beitrag zur Systematik der Scutellerinae. IV. Heteropterenaufsatz.

Arch. f. Naturges., A. VII: 54-61.

LEIDY, Joseph

1847 History and anatomy of the Hemipterous genus *Belostoma*.

Jour. Acad. Nat. Sci. Philadelphia, I: 57-67, pl. 10.

Systematic and ethological account with excellent figures of the anatomy, external and internal.

1877 On the bedbug and its allies.

Proc. Acad. Nat. Sci. Philadelphia, 1877: 284.

LE MOULT, Léopold

1912 Sur la destruction de certains Hémiptères par les parasites végétaux.

C. R. Acad. Sci., CLV: 656-658.

LÉON, Nicu

1887 Beiträge zur Kenntnis der Mundteile der Hemipteren.

Jena. 47 pp., 1 pl. (Dissertation).

- 1890 Hemiptera Haeckelii.
Jenaische Zeits. Naturwiss., XXV (N. F. XVIII): 13-15,
pl. 1.
- 1892 Labialtaster bei den Hemipteren.
Zool. Anz., XV: 145.
- 1894 E. Schmidt's Lippentaster.
Zool. Anz., XVII: 398-399.
- 1897 Beiträge zur Kenntniss des Labiums der Hydrocoren (vorläufige Mittheilung).
Zool. Anz., XX: 73-77, 5 figs.

LEONARD, Mortimer D.

- 1914 See Crosby and Leonard.
- 1915a Further experiments in the control of the tarnished plant-bug.
Jour. Ec. Ent., VIII: 361-367.
- 1915b The immature stages of *Plagiognathus politus* Uhler and *Campylomma verbasci* Herrich-Schaeffer (Capsidae, Hemiptera).
Jour. New York Ent. Soc., XXIII: 193-196, pl. 14.
- 1916a The immature stages of *Tropidosteptes cardinalis* Uhler (Capsidae, Hemiptera).
Psyche, XXIII: 1-3, pl. 1.
- 1916b The immature stages of two Hemiptera — *Empoasca obtusa* Walsh (Typhlocyidae) and *Lopidea robiniae* Uhler (Capsidae).
Ent. News, XXVII: 49-54, pls. 2-3.
- 1916c A Tachinid parasite reared from an adult Capsid (Dip., Hem.).
Ent. News, XXVII: 236.
- 1919 The immature stages of the goldenrod leaf-bug, *Strongylocoris stygica* Say (Miridae, Heterop.).
Can. Ent., LI: 178-180, pl. 14.

LE PELETIER, Amédée Louis Michel and SERVILLE, Jean Guillaume Audinet.

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Paris.

LETHIERRY, L.

1869 Catalogue des Hémiptères du Department du Nord.
Lille. 70 pp. 2d Ed. 1874, 108 pp., 2 pls.

1881 Liste des Hémiptères recueillis par M. Delauney à la Guadeloupe, La Martinique et Saint-Barthélemy.
Ann. Soc. Ent. Belgique, XXV: 8-19.

1888 Liste des Hémiptères recueillis à Sumatra et dans l'île Nias par Mr. E. Modigliani.
Ann. Mus. Genova, (2) VI (XXVI): 460-470.

LETHIERRY, L. and SEVERIN, G.

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1896 Bruxelles and Berlin.

Vol. 1, 1893, x+286 pp., (Bruxelles), Pentatomidae. Vol. 2, 1894, 277 pp., (Bruxelles), Coreidae, Berytidae, Lygaeidae, Pyrrhocoridae. Vol. 3, 1896, 275 pp. (Berlin) Tingidae, Phymatidae, Aradidae, Hebridae, Hydro-metridae, Henicocephalidae, Reduviidae, Saldidae, Aepophilidae, Ceratocombidae, Cimicidae, Anthocoridae.

LIENHART, R.

1913 Habitat et geonémie d'Aepophilus bonnairei Signoret.
Ann. Sci. Nat., (9) XVII: 257-268, 3 figs.

LINDBERG, H.

1923 Ueber die Gattung Coriomeris Westw. (Hem. Het.).
Ann. Mus. Nat. Hungarici, XX: 73-80, figs. 1-5.
Sexual dimorphism and key to palaearctic species.

LINNÉ, Carl von

1749- Amoenitates academicae seu dissertationes physicae, medicae,
1769 botanicae antehac seorsim editae nunc collectae et auctae
cum tabulis aeneis.
Holmiae. 7 vols.

Le Peletier and Serville — Linné: 124

- 1758- Systema naturae per regna tria naturae secundum classes,
1759 ordines, genera, species, cum characteribus, differentiis, synonymis, locis. Ed. decima reformata.
Holmiae. 2 vols. Insects in vol. I, 1758. Engelmann facsimile reprint, 1894, Leipsic.
- 1761 Fauna Suecica sistens animalia Sueciae regni; quadrupedia, aves, amphibia, pisces, insecta, vermes distributa per classes, et ordines, genera et species, cum differentiis specierum, synonymis autorum, nominibus incolarum, locis habitationum, descriptionibus insectorum.
Stockholmiae. 46+578 pp., 2 pls. (2d ed.).
- 1763 Centuria insectorum rariorum.
Upsaliae. 32 pp.
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Holmiae. 3 vols. Hemiptera in vol. I, pt. 2, 1867.
- 1788- Systema naturae, *etc.*, Ed. 13 aucta, reformata cura Joa. Frid.
1793 Gmelin.
Lipsiae. 10 vols. (3 tomes). Hemiptera in vol. 4 (t. 1), 1788(9?).

LINTNER, J. A.

- 1882 First annual report on the injurious and other insects of the state of New York.
Albany. xxii+382 pp., illus.
- 1885 Second report on the injurious and other insects of the state of New York.
Albany. xiv+265 pp., illus.
- 1887 Report of the state entomologist to the Regents of the University of the state of New York, for the year 1886.
Albany. 154 pp., illus.

- 1888 Fourth report on the injurious and other insects of the state of New York.
Albany. 238 pp., illus.
- 1890 Sixth report on the injurious and other insects of the state of New York, made to the Regents of the University pursuant to Chapter 355 of the laws of 1883.
43d Rept. New York St. Mus., 1890: 101-205, illus.

Locy, William A.

- 1884a Observations on the pulsating organs in the legs of certain Hemiptera.
Am. Nat., XVIII: 13-19, pl. 1.
- 1884b Anatomy and physiology of the family Nepidae.
Am. Nat., XVIII: 250-255, 363-367, pls. 9-12.

LUCAS, Hippolyte

- 1849 L'histoire naturelle des animaux articulés de l'Algérie, in *Exploration scientifique de l'Algérie pendant 1840-1842, etc.* (25 vols.).
Paris. 3 vols. Hemiptera in vol. III.
- 1863 Quelques mots sur les modifications que les mues font subir au *Belostoma algeriense* L. Duf. à l'état de larve.
Ann. Soc. Ent. France, (4) III: 401-404.
- 1864a Note relative au *Belostoma algeriense*.
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- 1864b Quelques remarques relatives aux notes de MM. L. Dufour, et V. Signoret sur les Béliostomides.
Ann. Soc. Ent. France, (4) IV: 226-228.

LUGGER, Otto

- 1900 Bugs (Hemiptera) injurious to our cultivated plants.
Bull. Minn. Agr. Exp. Sta., No. 69, 259 pp., 16 pls., 200 figs.

Locy — Lugger: 125

LUGINBILL, Philip

1922a Bionomics of the chinch bug.

Bull. U. S. Dept. Agr., 1016, 14 pp., 2 figs.

Full account of habits and life history, superceding numerous earlier papers.

1922b On the extra instar of the chinch bug.

Jour. Ec. Ent., XV: 180.

Refers to Yuasa, 1918.

LUNDBECK, W.

1916 Some remarks on the eggs and egg deposition of Halobates.

Mindeskrift for J. Steenstrup, XXVII: 1-13. (Copenhagen).

LUNDBLAD, O.

1915 Anteckningar om våra vattenhemipterer.

Ent. Tidskr., XXXVI: 186-201, 3 figs.

Includes notes and figures of general interest.

1916 Anteckningar om våra vattenhemipterer. II.

Ent. Tidskr., XXXVII: 217-232, pl. 1, text-fig. 1.

The plate gives anatomical details of *Velia currens*, nymph.

MACGILLIVRAY, Alexander D. and HOUGHTON, C. O.

1903 A list of insects taken in the Adirondack Mountains, New York. III.

Ent. News, XIV: 262-265.

MACLEAY, William Sharp

1819- Horae Entomologicae or essays on the annulose animals.

1821 London. 1 vol. in 2 parts, 524 pp., 3 pls.

1825 Remarks on the identity of certain general laws which have been lately observed to regulate the natural distribution of insects and fungi.

Trans. Linn. Soc. London, XIV: 46-68.

Luginbill — MacLeay: 126

MALLOCH, John Russell

- 1916 *Triphleps insidiosus* Say sucking blood (Hem., Het.).
Ent. News, XXVII: 200.
- 1918 *Pyrrhotes haematoloma* H. S. and *Leptocoris trivittatus* Say in
Illinois (Hemiptera, Coreidae).
Ent. News, XXIX: 284.
- 1919 [Editor of Hart, 1919, *q. v.*].
Responsible for numerous additions to the original MS.
- 1920 Additions to the recorded Illinois Reduviidae (Hem.).
Ent. News, XXXI: 240.
- 1921 Systematic notes on Hemiptera Heteroptera.
Bull. Brooklyn Ent. Soc., XVI: 54-56, 16 figs.
Discussion of abdominal sensory punctures.
- 1922, etc. See McAtee and Malloch.

MAMMEN, H.

- 1912 Ueber die Morphologie der Heteropteren und Homopteren-
stigmen.
Zool. Jahrb., Abt. Anat., XXXIV: 121-178, pls. 7-9, 22 figs.

MARCHAL, P.

- 1900 Sur les mœurs et le rôle utile de *Nabis lativentris* Boh.
(Hémipt. Hétéropt.).
Bull. Soc. Ent. France, 1900: 330-332.
Nymphs feed on eggs of cabbage butterfly.

MARLATT, C. L.

- 1895a How Hemiptera feed.
Insect Life, VII: 427-428.
- 1895b The hemipterous mouth.
Proc. Ent. Soc. Washington, III: 241-249, figs. 21-23.
- 1896 The bedbug and cone-nose.
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7-12.

Malloch — Marlatt: 128

- 1902 The bedbug.
Circ. U. S. Dept. Agr., Div. Ent., (2) 47, 8 pp., figs. 1-3.
- 1916 The bedbug.
Farmer's Bull. U. S. Dept. Agr., 754, 12 pp., figs. 1-4.
Economic importance and life history.
- Marsh, H. O. 1910. See Chittenden and Marsh.

MARSHALL, T. A.

- 1868a A few words on bad spelling.
Ent. Mo. Mag., IV: 259-260.
Formation and gender of Greek compounds.
- 1868b A few more words on bad spelling.
Ent. Mo. Mag., IV: 280-282.
Bad forms in the British list of Hemiptera.
- 1869a A reply to Mr. Dunning's remarks on the gender of Acanthosoma.
Ent. Mo. Mag., V: 208-209.
- 1869b A further reply to Mr. Dunning's remarks on the gender of Acanthosoma, etc.
Ent. Mo. Mag., V: 234-238.

MARSHALL, William S. and SEVERIN, Henry

- 1904 Some points in the anatomy of *Ranatra fusca* P. Beauv.
Trans. Wisconsin Acad. Sci., XIV: 487-508, pls. 34-36.

MARTIN, Joanny

- 1895 Origine et formation des faux stigmates chez les Nepidae (Hémiptères).
Bull. Mus. Hist. Nat., I: 110-111.
- 1896 Les larves d'Hémiptères Cryptocérates, appartenant aux familles des Belostomidae, Naucoridae et Nepidae.
Bull. Mus. Hist. Nat., II: 239-235.
Metasternal laminae in Belostomidae, etc.

Marshall, T. — Martin, J.: 129

- 1898 Catalogue des espèces de Phymatidae (Hémiptères Hété.)
des collection du Muséum de Paris.

Bull. Mus. Hist. Nat., IV: 147-149.

Several Handlirsch types recorded.

- 1901 See Coutière and Martin.

MARTIN, J. O.

- 1900 A study of *Hydrometra lineata*.

Can. Ent., XXXII: 70-76, pl. 3, figs. 7-8.

MASON, James Eardley

- 1889 Aquatic habits of *Salda*.

Ent. Mo. Mag., XXV: 236-237.

The insects cling to vegetation and remain submerged at high tide.

MATHESON, Robert, and CROSBY, C. R.

- 1912 Aquatic Hymenoptera in America.

Ann. Ent. Soc. America, V: 65-71, figs. 1-3.

Some parasites of aquatic Hemiptera are mentioned.

- 1915 See Crosby and Matheson.

MAULIK, S.

- 1916 The respiratory system of *Nepa cinerea*, Linn.

Jour. Zool. Research, I: 41-58, figs. 1-17.

MAYER, R.

- 1874 Anatomie von *Pyrrhocoris apterus* L.

Arch. Anat. Physiol., XLII: 313-347.

MAYR, Gustav L.

- 1852 Zwei neue Wanzen aus Kordofan.

Verh. zool.-bot. Ges. Wien., II: 14-18, pls. 1-2.

Limnogeton and *Lethocerus*.

- 1863 Hemipterologische Studien. Die Belostomiden.

Verh. zool.-bot. Ges. Wien., XIII: 339-364, pl. 11.

Martin, J. O. — Mayr: 130

- 1864 Diagnosen neuer Hemipteren.
Verh. zool.-bot. Ges. Wien., XIV: 903-914.
- 1865 Diagnosen neuer Hemipteren. II.
Verh. zool.-bot. Ges. Wien., XV: 429-446.
- 1866 Diagnosen neuer Hemipteren. III.
Verh. zool.-bot. Ges. Wien., XVI: 361-366.
- 1868 Hemiptera *in* Reise der Österreichischen Fregate Novara um die Erde in den Jahren 1857, 1858, 1859. Zoologischer Teil, II, Abt. 1.
Wien. 204 pp., 5 pls.
- 1871 Die Belostomiden. Monographisch bearbeitet.
Verh. zool.-bot. Ges. Wien., XXI: 339-440.

McATEE, Waldo Lee

- 1911 [Note on the habits of *Emesa longipes*].
Proc. Ent. Soc. Washington, XIII: 192.
- 1912 [Note on the hibernation of *Corythucha* and *Milyas*].
Proc. Ent. Soc. Washington, XIV: 102.
- 1914 Key to the nearctic genera and species of Geocorinae (Heteroptera; Lygaeidae).
Proc. Biol. Soc. Washington, XXVII: 125-136.
- 1916 Key to the nearctic species of *Paracalocoris* (Heteroptera; Miridae).
Ann. Ent. Soc. Am., IX: 366-390.
- 1917a A few notes chiefly on the names of nearctic Tingidae.
Bull. Brooklyn Ent. Soc., XII: 78-79.
- 1917b Key to the nearctic species of *Leptoypha* and *Leptostyla* (Heteroptera; Tingidae).
Bull. Brooklyn Ent. Soc., XII: 55-64.
- 1919a Notes on nearctic Heteroptera.
Bull. Brooklyn Ent. Soc., XIV: 8-16.
Habits, food plants, and varieties of several species. Key to Nearctic Chelinidea, Merocoris.

McAtee: 131

- 1919b Key to the Nearctic genera and species of Berytidae (Heteroptera).
Jour. New York Ent. Soc., XXVII: 79-92.
Full keys, descriptions, and discussion.
- 1919c Key to the nearctic species of Piesmidæ (Heteroptera).
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- 1919d Corrections and additions to an article on Leptoypba and Lep-
tostyla (Heteroptera; Tingidae).
Bull. Brooklyn Ent. Soc., XIV: 142-144.
- 1919e Notes on two Miridae, Camptobrochis and Paracalocoris (Het-
eroptera).
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- 1920 Specific, subspecific and varietal categories of insects and the
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- 1921 The selection of family names in zoology.
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- 1923a Tingitoidea of the vicinity of Washington, D. C. (Heteroptera).
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- 1923b Heteroptera. *In* a biological survey of the Pribilof Islands,
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- McATEE, W. L. and MALLOCH, J. R.
- 1922 Changes in names of American Rhynchota, chiefly Emesinae.
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- 1923a Further notes on names of Emesinae and other Rhynchota.
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- 1923b Notes on American Bactrodinae and Saicinae (Heteroptera:
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- 1924a Some annectant bugs of the superfamily Cimicoideae (Heteroptera).
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 Orphan species described and doubts cast on certain family distinctions.
- 1924b Errata in annectant bugs. [anon.].
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- 1925 Revision of the American bugs of the Reduviid subfamily Ploiariinae.
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McCOLLOCH, James W.

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- 1913 See Headlee and McColloch.
- 1914 A parasite of the chinch bug egg.
 Jour. Ec. Ent., VII: 219-227.
- 1915 Further data on the life economy of the chinch bug egg parasite.
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- 1915 A new parasite of the chinch bug egg (Hym.).
 Ent. News, XXVI: 147-149, figs. 1-3.

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- 1871 Notes on the hemipterous genus *Halobates*.
 Ent. Mo. Mag., VII: 208-209.
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- 1866 Untersuchungen über die Embryologie der Hemipteren. Vorläufige Mitteilung.
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Proc. Acad. Nat. Sci. Philadelphia, XXII: 110.

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MEINERT, Fr.

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Ent. Medd., V: 1-9, pls. 1-2.

MERCIER, L.

1919 A propos d'un exemplaire macroptère de Velia.

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MEUNIER, Fernand

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MEYER, Friedrich Albert Anton

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MEYER-DÜR, L. Rudolf

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Solothurn. x+11+116+iv pp., 7 pls.

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Two new species of Nabis are described.

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MILLIKEN, F. B.

- 1916 The false chinch bug and measures for controlling it.
Farmers' Bull. U. S. Dept. Agr., 762, 4 pp., figs. 1-2.
1918 Nysius ericae, the false chinch bug.
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Bull. Brooklyn Ent. Soc., XVII: 143-146.
Includes life history and seasonal data.
1923 Phasia (Phoranthia) occidentis Walker, an internal parasite of the false chinch bug.
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- 1859 On a pulsatile muscular organ, auxiliary to the circulation, found in the legs of certain insects.
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Mohr, M. H. 1804, see Weber and Mohr.

MOLEYRE, L.

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MONTANDON, A. L.

- 1887 Description d'Hémiptères-Hétéroptères nouveaux et notes sur quelques Hémiptères recueillis par M. Bedel, en Algérie (1886).
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- 1893a Notes on American Hemiptera Heteroptera.
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Key to Cosmopepla and notes on Alydus.
- 1893b Lygaeides exotiques. Notes et descriptions d'espèces nouvelles.
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Discussion of *Lygaeus kalmii* and *L. turcicus*, etc.
- 1895 Hémiptères nouveaux de la section des Hydrocorises Latr.
Ann. Soc. Ent. Belgique, XXXIX: 471-477, figs. 1-6.
Description and figure of Nepoidea (= Curicta).
- 1896 Hémiptères-Hétéroptères exotiques. Notes et descriptions. II.
Fam. Belostomidae.
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Synonymy of Benacus and discussion of the species of Lethocerus.
- 1897a Hemiptera Cryptocerata. Revision de la S. Fam. "Limnocerinae."
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- 1897b Hemiptera Cryptocerata. Fam. Naucoridae, Sous-fam. Cryptocricinae.
Verh. zool.-bot. Ges. Wien., XLVII: 6-23.
Synopsis of Ambrysus; notes.
- 1897c Hémiptères nouveaux des collections du Muséum de Paris.
Bull. Mus. Hist. Nat., III: 124-130.
Addition to Ambrysus table, characters of Cryptocricinae, etc.
- 1898a Hemiptera Cryptocerata. Notes et descriptions d'espèces nouvelles.
Bull. Soc. Sci. Bucarest, VII: 282-290.
Pelocoris is discussed, etc.

Montandon: 136

- 1898b Hémiptères Hétéroptères nouveaux des collection du Muséum de Paris.
Bull. Mus. Hist. Nat., IV: 72-75.
Discusses *Pelagonus americanus*.
- 1898c Hemiptera Cryptocerata. Notes et descriptions d'espèces nouvelles. III. Fam. Nepidae.
Bull. Soc. Sci. Bucarest, VII: 506-512.
Includes a note on *Nepa apiculata*.
- 1898d Hemiptera Cryptocerata. Fam. Naucoridae. Sous-fam. Limnecorinae.
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Complete synopsis.
- 1899a Hemiptera Cryptocerata. S. Fam. Mononychinae. Notes et descriptions d'espèces nouvelles.
Bull. Soc. Sci. Bucarest, VII: 392-407, 774-780.
Synopsis of *Mononyx*, *Matinus*, and *Peltopterus*.
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Bull. Soc. Sci. Bucarest, IX: 264-273.
Synonymy of North American genera.
- 1903a Espèces nouvelles ou peu connues du genre *Belostoma*, appartenant aux collections du Musée National Hongrois.
Ann. Mus. Nat. Hungarici, I: 359-363.
Includes note on distinguishing sexes, etc.
- 1903b Hémiptères aquatiques, notes synonymiques et géographiques, descriptions d'espèces nouvelles.
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Discussion of *Nepa apiculata* and Belostomatid synonymy.
- 1907a Nouveaux genres et espèces du groupe des Geocorinae.
Ann. Mus. Nat. Hungarici, V: 89-97.

- 1907b Quelques espèces du genre *Ranatra* des collections du Muséum de Paris.
Ann. Soc. Ent. France, LXXVI: 49-66.
Includes discussion of North American species.
- 1908 Espèces nouvelles ou peu connues du genre *Geocoris* Fall.
Bull. Soc. Sci. Bucarest, XVI: 214-234.
- 1909a Nepidae et Belostomidae, notes diverses et descriptions d'espèces nouvelles.
Ann. Mus. Nat. Hungarici, VII: 59-70.
Discussion of sexual characters, and remarks on de la Torre-Bueno, 1907e.
- 1909b Tableau synoptique des *Ambrysus* et descriptions d'espèces nouvelles.
Bull. Soc. Sci. Bucarest, XVII: 316-330.
- 1909c Belostomidae et Nepidae, notes diverses et descriptions d'espèces nouvelles.
Bull. Soc. Sci. Bucarest, XVIII: 1-11.
Discussion of *Amorgius*, *Lethocerus*, etc., with references.
- 1909d Naucoridae descriptions d'espèces nouvelles.
Bull. Soc. Sci. Bucarest, XVIII: 43-61.
Ambrysus mormon, etc.
- 1909e Geocorinae nouvelles contributions.
Ann. Soc. Ent. Belgique, LIII: 128-130.
Discusses some North American species.
- 1910a Necrologie, George W. Kirkaldy.
Bull. Soc. Sci. Bucarest, XIX: 5.
- 1910b Hydrocorises de l'Amérique du Nord. Notes et descriptions d'espèces nouvelles.
Bull. Soc. Sci. Bucarest, XVIII: 180-191.
- 1910c Notes sur quelques formes Nord-Américains du genre *Ranatra* (Hem.).
Bull. Soc. Sci. Bucarest, XIX: 62-67.
Important discussion of North American species with synonymy.

- 1910d Trois espèces nouvelles de la famille Naucoridae.
Bull. Soc. Sci. Bucarest, XIX: 438-444.
- 1910e Quelques types d'Hémiptères de Guérin Ménéville des collections du Musée Zoologique de l'Université de Naples (Notes synonymiques et observations diverses).
Ann. Mus. Zool. Napoli, (N. S.) III: 1-4.
- 1913a Nouvelles formes de Geocorinae appartenant aux collections du Muséum National Hongrois.
Ann. Mus. Nat. Hungarici, XI: 211-219.
- 1913b Nepidae et Belostomidae descriptions de deux espèces nouvelles.
Bull. Soc. Sci. Bucarest, XXII: 122-125.
- 1913c Nouvelles études sur les Geocorinae (Hemipt.).
Bull. Sec. Sci. Acad. Roumaine, XI: 48-60.
Tribal arrangement of Geocorinae, and subdivision of Geocoris proposed.
- 1914 Formes peu connues et nouvelles variétés du genre Geocoris.
Bull. Soc. Sci. Bucarest, XXIII: 234-243.
Includes an important discussion of obscure American species.

MONTGOMERY, Thomas H.

- 1900 Note on the genital organs of *Zaitha*.
Am. Nat., XXXIV: 119-121, figs. A-B.
Zaitha more like *Nepa* than *Belostoma* in structure of male genitalia.
- 1902 A list of the Hemiptera Heteroptera of the vicinity of Woods Holl, Massachusetts.
Ent. News, XIII: 12-13.

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MOORE, George A.

- 1906 Record of Captures — Hemiptera.
Proc. Mount Royal Ent. Club, No. 2: 12.
- 1907 List of Hemiptera taken at Como, Quebec.
Can. Ent., XXXIX: 161-163, 189-191.

Montgomery — Moore, G.: 139

- 1917 [Review of Van Duzee's "Check List"].
Can. Ent., XLIX: 33.

MOORE, R. C. and HUNGERFORD, H. B.

- 1922 Water insects from a portion of the southern Utah desert.
Kansas Univ. Sci. Bull., XIV: 409-421.
Includes taxonomic notes on Gerridae.

MORGAN, A. C.

- 1907 A predatory bug reported as an enemy of the cotton boll weevil.
Bull. U. S. Dept. Agr., Bur. Ent., 63, pt. 4: 1-54, figs. 8-9.
Life history of *Apiomerus spissipes*.

MORLEY, Claude

- 1910 [Review of Kirkaldy's "Catalogue"].
Entom., XLIII: 126-127.
- 1914- Garden Notes.
1916 Entom., XLVII: 215-218, XLIX: 246-248.
Anthocoris and Capsus biting; also food of Anthocoris.

MORRILL, Austin Winfield

- 1906 Some observations on the spined soldier bug (*Podisus maculiventris* Say).
Bull. U. S. Dept. Agr., Div. Ent., (N. S.) 60: 155-161,
fig. 6.
Exact data on life history, individual varieties, etc.
- 1907 The Mexican conchuela in Western Texas in 1905.
Bull. U. S. Dept. Agr., Bur. Ent., 64, part I: 1-14, figs.
1-2, pl. 1.
- 1910 Plant bugs injurious to cotton bolls.
Bull. U. S. Dept. Agr., Bur. Ent., 86, 110 pp., pls. 1-5,
figs. 1-25.
Economic; life histories of several species.

Moore, R. and Hungerford — Morrill: 140

- 1915 Cotton pests.
7th Ann. Rept. Arizona Comm. Agr. Hort., 1916: 43-45.
Discusses *Lygus* sp. near *pratensis*.
- 1916 Cotton pests.
8th Ann. Rept. Arizona Comm. Agr. Hort., 1916: 45-49.
Several Hemiptera are discussed.
- 1917 Cotton pests of the arid and semi-arid Southwest.
Jour. Ec. Ent., X: 307-317.
Several Hemiptera are discussed.

MOUFET, Thomas

- 1634 Insectorum sive minimorum animalium theatrum, olim ab
Edoardo Wottono, Conrado Gesnero, Thomaque Pennio in-
choatum; tandem Tho. Moufeti Londinatis opera sumpti-
bus maximis concinnatum, auctum, perfectum: et ad vivum
expressis iconibus supra quingentis illustratum.
Londini. [17] + 326 + [4] pp., illus.

MUIR, Frederick

- 1923 On the characters separating the Heteroptera from the Homop-
tera.
Ent. Mo. Mag., LIX (3) IX: 254-255.

MUIR, Frederick and KERSHAW, J. C.

- 1911a On the homologies and mechanism of the mouth-parts of Hem-
iptera.
Psyche, XVIII: 1-12, pls. 1-5.
- 1911b On the later embryological stages of the head of *Pristhesancus*
papuensis (Reduviidae).
Psyche, XVIII: 75-79, pls. 9-10.

MÜLLER, Albert

- 1865 *Monanthia humuli*, Fieber; a mining Hemipteron.
Ent. Mo. Mag., II: 118.

Moufet — Müller, A.: 140

MÜLLER, Otto Friedrich

- 1766 Manipulus insectorum Taurinensium.
Mélanges Soc. Roy. Turin, III: 185-198.

- 1776 Zoologiae Danicae prodromus, seu animalium Daniae et Norwegiae indigenarum characteres, nomina, et synonyma imprimis popularium.
Hafniae. XXXII+282 pp.

MÜLLER, Philip Ludvig Statius

- 1773- Vollständiges Natursystem des C. v. Linné mit einer Erklärung.
1776 Nürnberg. 6 vols., illus.
Hemiptera in vol. 5, 1774.

MULSANT, Étienne

- 1857 Nouvelles excursions dans les grandes landes. Troisième lettre adressé à M. Mulsant par Edouard Perris.
Ann. Soc. Linn. Lyon, (2) IV: 83-180.

MULSANT, Étienne and REY, Claudius

- 1852 Description de quelques Hémiptères Hétéroptères nouveaux ou peu connus.
Ann. Soc. Linn. Lyon, 1850-1852: 76-141.

- 1865- Histoire naturelle des punaises de France.
1879 Paris. 5 parts. Also in Ann. Soc. Linn. Lyon.

MUNDINGER, F. G.

- 1923 The life history of two species of Nabidae (Hemip. Heterop.).
Nabis roseipennis Reut. and Nabis rufusculus Reut.
Tech. Pub. New York St. Coll. For., No. 16: 149-167
[+4], pls. 12-19 (1922).

MURRAY, C. Hay

- 1914 Notes on the anatomy of the bedbug. (*Acanthia lectularia* L.).
(With special reference to uncorrected errors of previous investigators).
Parasitology, VII: 278-321, pls. 22-23, figs. 1-40.

Müller, O. — Murray: 141

MUTTKOWSKI, Richard Anthony

- 1918 The fauna of Lake Mendota: a qualitative and quantitative survey with special reference to the insects.

Trans. Wisconsin Acad. Sci., XIX, pt. 1: 374-482, map.

Full ecological discussion; a few Hemiptera are listed.

- 1920 The respiration of aquatic insects. A collective review.
Bull. Brooklyn Ent. Soc., XV: 89-96, 131-141.

MYERS, John G.

- 1921a The life-history of some New Zealand insects: No. 1.

Trans. New Zealand Inst., LIII: 235-237, pl. 44, text-figs. 1-5.

Life history of *Ctenoneurus hochstetteri* (Aradidae), with notes on gregariousness, maternal solicitude, etc.

- 1921b Notes on the Hemiptera of the Kermadec Islands, with an addition to the Hemiptera fauna of the New Zealand sub-region.

Trans. New Zealand Inst., LIII: 256-257.

- 1922 The order Hemiptera in New Zealand with special reference to its biological and economic aspects.

New Zealand Jour. Sci. Tech., V: 1-12.

Includes notes of general interest.

- 1925 On the systematic position of the family Termitaphididae (Hemiptera, Heteroptera), with a description of a new genus and species from Panama.

Psyche, XXXI: 259-278, pl. 10 (1924).

NEEDHAM, James George

- 1903 Button-bush insects.

Psyche, X: 22-31.

A few Hemiptera are mentioned.

- 1904 Beetle drift on Lake Michigan.

Can. Ent., XXXVI: 294-296.

A few Hemiptera are mentioned.

- 1907 The eggs of *Benacus* and their hatching.

Ent. News, XVIII: 113-116, pl. 2.

Muttkowski — Needham: 143

- 1908 Notes on the aquatic insects of Walnut Lake with special reference to a few species of considerable importance as fish food. *In* Hankinson, T. L., Biol. Surv., Walnut Lake, Mich. Rept. Board Geol. Surv. Michigan for 1907: 253-271.
- 1917 The insect drift of lake shores.
Can. Ent., XLIX: 129-137.
Discusses the phenomenon and lists a few Hemiptera.
- 1924 Observations on the life of the ponds at the head of Laguna Canyon.
Jour. Ent. Zool., XVI: 1-12.
Records a few aquatic Hemiptera.

NEIVA, Arthur

- 1911a Beiträge zur Biologie der *Conorhinus megistus* Burm. Informacois sobre a biologia do conorhinus megistus Burm.
Mem. Inst. Oswaldo Cruz. II: 201-212.
In both languages.
- 1911b Zwei neue afrikanische Arten des genus *Triatoma* (oder *Conorhinus*) Laporte. (Beitrag zur Kenntnis de blutsau-

NEWELL, Anna Grace

- 1915 Some adaptations for respiration in aquatic Hemiptera. Abstract.
Trans. Illinois Acad. Sci., VIII: 147-148.
A very brief summary on the breathing appendages in Notonectidae and Belostomatidae.
- 1918 The comparative morphology of the genitalia of insects.
Ann. Ent. Soc. America, XI: 109-142, pls. 4-17.
Includes some account of the Hemiptera.

NIETSCH, Viktor

- 1908 Die Mundteile der Rhynchoten.
Mitth. Nat. Ver. Steiermark, XLIV: 304-311.

NOTMAN, Howard

genden Hemipteren).

Proc. Ent. Soc. Washington, XIII: 239-240.

Refers to carrying of Trypanosomes.

1914 Revisao do genero Triatoma Lap.

Rio de Janeiro. 80 pp.

Full taxonomic and biological account of the genus, with bibliography.

A later work, giving a key to species, figures, etc., is promised. A MS. translation by R. F. Hussey (1922) is in limited circulation.

1920 Coleoptera collected at Schoharie, N. Y., June 9-14, 1918, with descriptions of new species.

Jour. New York Ent. Soc., XXVIII: 14-31.

Records of a few Hemiptera are included.

NOUALHIER, Martial Jean Maurice

1893 Voyage de M. Ch. Alluaud aux îles Canaries (Novembre, 1889-Juin, 1890), 2e Mémoire. Hémiptères gymnocérates and Hydrocorises.

Ann. Soc. Ent. France, LXII: 5-18.

1895 Note sur le genre Ploiaria Scop. Reut. (Emesodema Spin., Cerascopus Hein) et description de quatre espèces nouvelles paléarctiques.

Rev. d'Ent., XIV: 166-170, pl. I.

OLIVIER, Antoine Guillaume

1879- Encyclopédie méthodique, dictionnaire des insects.

1825 Paris. 10 vols., illus. (with other authors).

Hemiptera by Olivier in vol. VIII, 1811.

OLSEN, Chris. E.

1910 Notes on breeding Hemiptera.

Jour. New York Ent. Soc., XVIII: 39-42.

1912a On the endurance of swarms of Cimex lectularius L. (Hemip.).

Bull. Brooklyn Ent. Soc., VIII: 24-25.

Resistance to starvation and to chemicals.

1912b Contribution to an annotated list of Long Island insects (Pentatomidae sens. lat.).

Jour. New York Ent. Soc., XX: 48-58.

Nietsch — Olsen: 145

- 1913a The enemies of a plant louse.
Bull. Brooklyn Ent. Soc., VIII: 41-42.
- 1913b Long Island Capsids.
Bull. Brooklyn Ent. Soc., VIII: 48-49.
A brief annotated list.
- 1913c A hemipterous cannibal.
Bull. Brooklyn Ent. Soc., VIII: 54-55.
Cosmopepla carnifex (= *bimaculata*) attacking eggs.
- 1914a [Records of Hemiptera from New York and New Jersey].
Bull. Brooklyn Ent. Soc., IX: 43-44.
- 1914b [Records of *Banasa sordida*].
Bull. Brooklyn Ent. Soc., IX: 107.
- 1915a A Capsid new to our fauna.
Bull. Brooklyn Ent. Soc., X: 34-35, 1 fig.
- 1916a A new Pentatomid.
Bull. Brooklyn Ent. Soc., XI: 82-83.
- 1917a Concerning *Gerris remigis* Say.
Bull. Brooklyn Ent. Soc., XII: 21.
Brief life history.
- 1919b [Records of North American Hemiptera].
Bull. Brooklyn Ent. Soc., XIV: 28.
- 1923 Distributional notes on Hemiptera (No. 1).
Bull. Brooklyn Ent. Soc., XVIII: 163-164.

OSBORN, Herbert

- 1885 Classification of Hemiptera.
Ent. Am., I: 21-27.
Synopsis of suborders and families.
- 1888 Observations on certain species of Hemiptera.
Proc. Ent. Soc. Washington, I: 35.
Food plants, etc., of Hemiptera in Iowa.
- 1890 The Hemipterous fauna of Iowa.
Proc. Iowa Acad. Sci., I, Pt. I: 49.
Brief numerical summary.

- 1892a Note on the species of *Acanthia*.
Can. Ent., XXIV: 262-264.
Notes on bat, pigeon and swallow species. Original descriptions of *hirundinis*, *pipistrelli* and *columbarius* reprinted.
- 1892b Catalogue of the Hemiptera of Iowa.
Proc. Iowa Acad. Sci., I, Pt. II: 120-131.
- 1893 Note on *Corimelaena albipennis* Say.
Ent. News, IV: 91-92.
- 1894 Notes on the distribution of Hemiptera.
Proc. Iowa Acad. Sci., I, Pt. IV: 120-123.
- 1895 The phylogeny of Hemiptera.
Proc. Ent. Soc. Washington, III: 185-189.
- 1896a The chinch bug (*Blissus leucopterus* Say).
Bull. Iowa Agr. Coll. Exp. Sta., 32: 361-383, pl. 2.
- 1896b Insects affecting domestic animals; an account of the species of importance in North America, with mention of related forms occurring on other animals.
Bull. U. S. Dept. Agr., Div. Ent., (N. S.) 5, 302 pp., 170 figs.
Includes accounts of certain Cimicidae and Reduviidae.
- 1898 Additions to the list of Hemiptera of Iowa, with descriptions of new species.
Proc. Iowa Acad. Sci., V: 232-247, figs. 15-16.
- 1899 Notes on the Hemiptera of northwestern Iowa.
Proc. Iowa Acad. Sci., VI: 36-39.
- 1900a Remarks on the Hemipterous fauna of Ohio with a preliminary record of species.
8th Ann. Rept. Ohio Acad. Sci., 1900: 60-79.
- 1900b A list of Hemiptera collected in the vicinity of Bellaire, Ohio.
Ohio Nat., I: 11-12.
- 1901a Some insects of the Hudsonian zone in New Mexico. III.
Rhynchota Heteroptera.
Psyche, IX: 164.

- 1901b New genus including two new species of Saldidae.
Can. Ent., XXXIII: 181-182.
- 1903a Note on *Aradus ornatus* Say.
Ohio Nat., IV: 22.
- 1903b Aradidae of Ohio.
Ohio Nat., IV: 36-42.
- 1904a Notes on South American Hemiptera-Heteroptera.
Ohio Nat., V: 195-204.
- 1904b A further contribution to the Hemipterous fauna of Ohio.
Ohio Nat., IV: 99-103.
- 1905 Report of progress on study of the Hemiptera of Ohio and descriptions of new species.
Ohio Nat., V: 273-276.
- 1909 Note on food habit of *Liotropis contaminatus* Uhler.
Ent. News, XX: 177.
Feeds on *Opuntia*; distribution.
- 1910 Polymorphism in Hemiptera and some of its significances.
Proc. 7th Int. Zool. Congr., 1912: 601-603, *also* separate,
3 pp., 1910.
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- 1920b Ethological remarks on some New England water-striders
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- 1923c On the ecology of *Podops cinctipes* Say and *Rhytidolomia saucia* Say (Hemiptera, Pentatomidae).
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- 1922c Armature génitale et structure chitineuse du pénis dans le genre *Gerris* (Hem. Hydrometridae).
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- 1912 Die Miriden der Aethiopischen Region. I. Mirina, Cylapina, Bryocorina.

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1871 Liste des Hémiptères pris à Quebec.

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Review with new tables, etc.

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Ofv. Svenska Vet.-Ak. Förh., XXVIII: 557-568, pl. 7.

1873a Skandinaviens och Finlands Aradider, beskrifne.

Ofv. Svenska Vet.-Ak. Förh., XXIX (1872) No. 5: 47-62.

1873b Skandinaviens och Finlands Reduviider, beskrifne.

Ofv. Svenska Vet.-Ak. Förh., XXIX, No. 6: 59-66.

1873c Skandinaviens och Finlands Nabider.

Ofv. Svenska Vet.-Ak. Förh., XXIX, No. 6: 67-77.

1873d Nabidae novae et minus cognitae. Bidrag till Nabidernas kännedom.

Ofv. Svenska Vet.-Ak. Förh., XXIX, No. 6: 79-96, pl. 8.

Key to species of Nabis; male genital hooks figured.

1874 Remarques synonymiques sur quelques Hétéroptères.

Ann. Soc. Ent. France, (5) IV: 559-566.

1875a Hemiptera gymnocerata Scandinaviae et Fenniae disposuit et descripsit. Pars I. Cimicidae (Capsina).

Acta Soc. F. Fl. Fennica, I, 206 pp. (sep.), pl. 1.

1875b Remarques sur le polymorphisme des Hémiptères.

Ann. Soc. Ent. France, (5) V: 225-236.

1875c Bidrag till Nordiska Capsiders synonymi.

Not. Förh. Sällsk. Fauna Flora Fennica, XIV (N. S. XI): 1-25.

1875d Genera Cimicidarum Europae.

Bih. Svenska Vet.-Ak. Handl., III: 1-66.

Includes (as subfamilies) Capsina, Anthocorina, Cimicina, Ceratocombina. Many American groups are referred to.

- 1875e Hémiptères nouveaux.
Pet. Nouv. Ent., I: 544-545.
- 1875f Remarques sur le catalogue des Hémiptères d'Europe et du bassin de la Méditerranée par le Dr. A. Puton.
Pet. Nouv. Ent., I: 547-548.
- 1876a Diagnoses praecursoriae Hemipterorum-Heteropterorum.
Pet. Nouv. Ent., II: 33-34.
- 1876b Diagnoses praecursoriae Hemipterorum-Heteropterorum.
Pet. Nouv. Ent., II: 54-55.
- 1876c Capsinae ex America boreali in Museo Holmiensi asservatae, descriptae.
Ofv. Svenska Vet.-Ak. Förh., XXXII, No. 9: 59-92 (1875).
- 1876d Note on a variety of Megaloceraea (Trigonotylus) ruficornis, Fall.
Ent. Mo. Mag., XIII: 87.
A British form with green antennae.
- 1877a Neue Phytocorarien diagnostisch beschrieben.
Deutsche Ent. Zeits., XXI: 25-32.
- 1877b Species Europae generis Phytocoris Fall., auct.
Ann. Soc. Ent. France, (5) VII: 13-34, pl. 2.
- 1877- Remarks on some British Hemiptera-Heteroptera.
- 1880 Ent. Mo. Mag., XIV: 11-14, 32-34, 60-62, 127-131, 242-245; XV: 66-67; XVI: 12-15, 172-175; XVII: 10-15.
Notes on Douglas & Scott's "Catalogue" and on Saunder's "Synopsis"; includes treatment of Pilophorus and Orthotylus and discusses Acanthia vs. Salda, Coriscus vs. Nabis, etc.
- 1878a Is "Cyllocoris flavonotatus" Boh., a Globiceps or a Cyllocoris?
Ent. Mo. Mag., XV: 113-115.
- 1878b [Description d'un hémiptère de la Grèce (Camelocapsus oxycarenoides nov. gen. et sp.)].
Bull. Soc. Ent. France, (5) VIII: civ-cv.

- 1878- Hemiptera Gymnocerata Europae. Hémiptères gymnocérates
1896 d'Europe, du bassin de la Méditerranée et de l'Asie russe.
Acta Soc. Sci. Fennicae, XIII-XXXIII.
This work, as far as published, deals with the palaearctic Miridae (Cap-
sidae). The five parts were issued as follows:
I. Loc. cit., XIII (1885): 1-188, 8 pls. (Separate, 1878).
II. *Id.*, XIII (1885): 193-312, 5 pls. (Sep., 1879).
III. *Id.*, XIII (1885): 313-496, 5 pls. (Sep., 1883), (*with* supple-
ment and synoptic arrangement of species described in vols. I-III, on pp.
497-568).
IV. *Id.*, XXIII (1891): 1-179, 6 pls.
V. *Id.*, XXXIII, No. 2, (1896): 1-392, 10 pls. (Sep.).
For review see Ent. Mo. Mag., (2) VIII (XXXIII): 186, 1897.
- 1879a Diagnoses Hemipterorum novorum.
Ofv. Finska Vet.-Soc. Förh., XXI: 30-41.
- 1879b De Hemipteris e Sibiria orientali nonnullis adnotationes
criticae.
Ofv. Finska Vet.-Soc. Förh., XXI: 42-63.
- 1880 Nya bidrag till Abo och Alands skärgårds Hemipterfauna.
Medd. Soc. Fenn., V: 160-236.
- 1880- Finlands och den Skandinaviska halföns Hemiptera Heter-
1884 optera.
Ent. Tidskr., I, 1880: 113-145; II, 1881: 61-93; III, 1882:
65-81, 105-121, 163-172; V, 1884: 173-185. Separate, 1882,
106 pp.
- 1881 Analecta Hemipterologica. Zur Arten-kenntniss, Synonymie
und geographischen Verbreitung der palaearktischer Het-
eropteren.
Berliner Ent. Zeit., XXV: 155-196.
- 1882a Ad cognitionem Heteropterorum Africae occidentalis.
Ofv. Finska Vet.-Soc. Förh., XXV: 1-43.
- 1882b Ueber die Gattungsnamen Cimex und Acanthia.
Wiener Ent. Zeit., I: 301-306.
- 1883 Monographia generis Oncocephalus proximeque affinium.
Acta Soc. Sci. Fennicae, XII: 673-758, 3 pls. Separate,
1882.

Reuter — *Continued*: 166

- 1884a Genera nova Hemipterorum. IV.
Wiener Ent. Zeit., III: 218-219, 1 fig.
- 1884b Ad cognitionem Aradidarum palaearticarum.
Wiener Ent. Zeit., III: 129-137.
Synopsis of palaeartic Aradus of *betulae* and *lugubris* groups, etc.
For males of *betulae* group, see Reuter, 1885d.
- 1884c Monographia anthocoridarum orbis terrestris.
Acta Soc. Sci. Fennicae, XIV: 555-758, 1885. Separate,
Helsingfors, 1884, 204 pp.
- 1885a Synonymische Bemerkungen über Hemipteren.
Berliner Ent. Zeit., XXIX: 39-47.
- 1885b Hemiptera duo nova e Fennia.
Medd. Soc. Fenn., XI: 164-167.
- 1885c Ad cognitionem Lygaeidarum palaearticarum.
Rev. d'Ent., IV: 199-233.
New tables.
- 1885d Noch Einiges über paläearctische Aradiden.
Wiener Ent. Zeit., IV: 147-151.
Notes, synopsis of males of *betulae* group, etc.
- 1886 Notes synonymiques.
Rev. d'Ent., V: 120-122.
- 1887 Reduviidae novae et minus cognitae descriptae.
Rev. d'Ent., VI: 149-167.
Includes synonymy of some higher groups, etc.
- 1888 Revisio synonymica Heteropterorum palaearticularum quae descripserunt auctores vetustiores (Linnaeus 1758-Latreille 1806). Synonymische Revision der von den älteren Autoren (Linné 1758-Latreille 1806) beschriebenen palaearktischen Heteropteren.
Acta Soc. Sci. Fennicae, XV: I, 241-315; II, 443-812.
Separate, 458 pp., Helsingfors.
An extremely thorough investigation of the species and genera of the older authors. For a review, see Ent. Mo. Mag., XXV: 68-69.

- 1890 Adnotationes Hemipterologicae.
Rev. d'Ent., IX: 248-254.
- 1890 Ad cognitionem Nabidarum.
Rev. d'Ent., IX: 289-309, 5 figs.
A very important discussion of the group, giving subgenera of Nabis, etc.
- 1891a Corrigenda.
Rev. d'Ent., X: 27-28.
Corrections to previous Rev. d'Ent. papers.
- 1891b Monographia Ceratocombidarum orbis terrestris.
Acta Soc. Sci. Fennicae, XIX, No. 6: 1-28.
- 1891c Hemiptera Heteroptera från trakterna kring Sajanska bärgskedjan, insamlade af K. Ehnberg och R. Hammarström, förtecknade.
Ofv. Finska Vet.-Soc. Förh., XXXIII: 168-208.
Compares Siberian and North American faunas, giving table showing distribution across Europe and Asia.
- 1892a Voyage de M. F. Simon au Venezuela (décembre, 1887-avril, 1888). 20:e Mémoire. Hémiptères Hétéroptères. 1:re partie. Capsides.
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- 1892b Monographia generis Reduvius Fabr., Lam.
Acta Soc. Sci. Fennicae, XIX, No. 15: 1-36.
- 1893a [Descriptions in Bergroth, 1893].
Rev. d'Ent., XII: 208-209.
- 1893b Die äthiopischen Arten der Nabiden-Gattung Phorticus.
Wiener Ent. Zeit., XII: 316-320.
- 1893c Conspectus specierum generis Trigonotylus, Fieb.
Ent. Mo. Mag., (2) IV (XXIX): 110-111.
- 1895a Ad cognitionem Capsidarum. III. Capsidae ex Africa boreali.
Rev. d'Ent., XIV: 131-142.
- 1895b Zur Kenntniss der Capsiden-Gattung Fulvius Stål.
Ent. Tidskr., XVI: 129-154.

- 1895c Species palaearticae generis *Acanthia* Fabr., Latr.
Acta Soc. Sci. Fennicae, XXI, No. 2: 1-58, 1 pl.
- 1896 Dispositio generum palaeartlicorum divisionis Capsaria familiae Capsidae.
Ofv. Finska Vet.-Soc. Förh., XXXVIII: 156-171.
- 1900a De finska arterna af *Aradus lugubris*-gruppen.
Medd. Soc. Fenn., XXVI: 131-139, 221-222.
- 1900b Hemiptera Gymnocerata in Algeria meridionali a DD. Dr. H. Krauss et Dr. J. Vosseler collecta.
Ofv. Finska Vet.-Soc. Förh., XLII: 240-258.
- 1900c Heteroptera palaeartica nova et minus cognita descripsit. II.
Ofv. Finska Vet.-Soc. Förh., XLII: 268-281.
Includes synonymy of *Coriomeris*.
- 1901 Capsidae novae mediterraneae. IV.
Ofv. Finska Vet.-Soc., Förh., XLIV: 51-70.
- 1902 Miscellanea Hemipterologica. Hemipterologische Mitteilungen.
Ofv. Finska Vet.-Soc. Förh., XLIV: 141-188.
Palmén, 1914, gives the date as 1901.
- 1903a The food of Capsids.
Ent. Mo. Mag., (2) XIV (XXXIX): 121-123.
Brief review of published observations on predaceous habits in the family.
- 1903b Capsidae chinenses et Thibetanae hactenus cognitae enumeratae novaeque species descriptae.
Ofv. Finska Vet.-Soc. Förh., XLV, No. 16: 1-23, pl. 2.
- 1904a Capsidae persicae a D:o N. A. Zarudny collectae, enumeratae novaeque species descriptae.
Ann. Mus. Zool. St. Pétersbourg, IX: 5-16.
Includes descriptive notes on *Trigonotylus brevipes*.
- 1904b Uebersicht der paläarktischen *Stenodema*-arten.
Ofv. Finska Vet.-Soc. Förh., XLVI, No. 15: 1-21.
- 1904c Bemerkungen über einige *Phimodera*-arten.
Ofv. Finska Vet.-Soc. Förh., XLVI, No. 17: 1-15.

- 1905a Hemipterologische Spekulationen. I. Die Klassifikation der Capsiden, 58 pp. II. Die gesetzmässigkeit im Abändern der Zeichnung bei Hemipteren (besonders Capsiden) und ihre Bedeutung für die Systematik, 27 pp., 1 pl.
Festschrift für Palmén, Nos. 1 and 2. Helsingfors.
- 1905b Capsidae in Venezuela a D:o D:re Fr. Meinert collectae enumeratae novaeque species descriptae.
Ofv. Finska Vet.-Soc. Förh., XLVII, No. 20: 1-39, 1 pl.
- 1906a Ausgewählte Kapitel aus O. M. Reuter's "Revisio critica Capsinarum" als Beitrag zur Biologie und Morphologie der Capsiden.
Jahresh. Ver. vaterl. Nat. Württemberg, LXII: 263-311.
Translated into German by Strand, revised by Hüber and Gulde.
- 1906b Monographia generis Heteropterorum Phimodera Germ.
Acta Soc. Sci. Fennicae, XXXIII, No. 8: 1-51, 2 pls.
- 1906c Ueber die Verwendung des Gattungsnamen *Lopus* (Heteroptera, Capsidae).
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- 1907a Capsidae novae in insula Jamaica mense Aprilis 1906 a D. E. P. Van Duzee collectae.
Ofv. Finska Vet.-Soc. Förh., XLIX, No. 5: 1-27.
- 1907b Ad cognitionem Capsidarum aethiopicarum. IV.
Ofv. Finska Vet.-Soc. Förh., XLIX, No. 7: 1-27.
- 1907c Capsidae in Brasilia collectae in Museo I. R. Vindobonensi asservatae.
Ann. Nat. Hofmus., XXII: 33-80.
- 1907d Capsidae Mexicanae a Do. Bilimek collectae in Museo I. R. Vindobonensi asservatae.
Ann. Nat. Hofmus. Wien., XXII: 150-179.
Includes many important generic redefinitions.
- 1907e En nordamerikansk hemipter funnen i Norge.
Ent. Tidskr., XXVIII: 81-82.
Teratocoris herbaticus Uhler.

- 1908a On the nomenclature of some (British) Hemiptera-Heteroptera.
Ent. Mo. Mag., (2) XIX (XLIV): 22-29.
Additions to Saunders, 1907.
- 1908b *Eccritotarsus genetivus* Dist. eine Cyllocorarie.
Wiener Ent. Zeit., XXVII: 53-55.
Comments on Distant's classification of several North American genera.
- 1908c Die hemipterologischen Arbeiten W. L. Distant's und speziell die Valleriola-Frage.
Wiener Ent. Zeit., XXVII: 85-90.
- 1908d Bemerkungen über Nabiden nebst Beschreibung neuer Arten.
Mém. Soc. Ent. Belgique, XV: 87-130.
- 1909a Die Arten der Nabiden-Gattung *Gorpis* Stal.
Ann. Soc. Ent. Belgique, LIII: 423-430.
- 1909b *Capsidae tres novae* in Brasilia a D:o D:re R. F. Sahlberg collectae.
Ofv. Finska Vet.-Soc. Förh., LI (A), No. 25: 1-6.
- 1909c Bemerkungen über nearktische Capsiden nebst Beschreibung neuer Arten.
Acta Soc. Sci. Fennicae, XXXVI, No. 2: 1+86+III pp.
- 1909d *Capsidae Argentinae*. Kritische und neue argentinische Capsiden.
Ofv. Finska Vet.-Soc. Förh., LI (A), No. 13: 1-20.
- 1910a Neue Beiträge zur Phylogenie und Systematik der Miriden nebst einleitenden Bemerkungen über die Phylogenie der Heteropteren-familien.
Acta Soc. Sci. Fennicae, XXXVII, No. 3: 1-171, 1 chart.
A very detailed exposition of Reuter's classification, with a full list of the genera of the Miridae.
- 1910b Zur Kenntnis der Miriden-Gattung *Eurycirtus* M.
Ann. Soc. Ent. Belgique, LIV: 49-55.
- 1912a Bemerkungen über mein neues Heteropterensystem.
Ofv. Finska Vet.-Soc. Förh., LIV, (A), No. 6: 1-62.
- 1912b Hemipterologische miscellen.
Ofv. Finska Vet.-Soc. Förh., LIV, (A), No. 7: 1-76.

- 1912c Zur generischen Teilung der paläarktischen und nearktischen Acanthiaden.
Ofv. Finska Vet.-Soc. Förh., LIV, (A), No. 12: 1-24.
- 1913a Ausführliche Beschreibungen einiger paläarktischen Hemipteren.
Ofv. Finska Vet.-Soc. Förh., LV, (A), No. 14: 1-111, 1 pl.
- 1913b Amerikanische Miriden.
Ofv. Finska Vet.-Soc. Förh., LV, (A), No. 18: 1-64, 1 pl.
- 1913c Bemerkungen zu Oshanins "Katalog der paläarktischen Hemipteren."
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- 1913d Über *Sixeonotus luteiceps* Reut. und Beschreibung einer neuen Bryocorine (Hem. Het.).
Ann. Soc. Ent. Belgique, LVII: 278-279.
- 1913e Die Familie der Bett- oder Hauswanzen (Cimicidae), ihre Phylogenie, Systematik, Oekologie und Verbreitung.
Zeits. Wiss. Insektenbiol., IX (XVIII): 251-255, 303-306, 325-329, 360-364.
Ann. Soc. Linn. Lyon, (N. S.) XXX: 423-424.
- 1913f Vägglusfamiljen (Cimicidae), dess fylogeni, systematik, ekologi och utbredning.
Ent. Tidskr., XXXIV: 1-21.

REUTER, Odo Morannal and POPPIUS, B. R.

- 1909 Monographia Nabidarum orbis terrestris.
Acta Soc. Sci. Fennicae, XXXVII, No. 2: 1-62, 1 pl.
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- 1912 Zur Kenntnis der Termatophyliden.
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Complete treatment of the group.

REY, Claudius

1852, etc. See Mulsant and Rey.

Reuter and Poppius — Rey: 172

- 1884 Quelques exemples de monstruosités chez les Coléoptères et Hémiptères.
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- 1887 Remarques en passant. Coréides.
L'Échange, III, No. 36: 1-2.
- 1888a Notes sur quelques Hémiptères et descriptions d'espèces nouvelles ou peu connues.
Rev. d'Ent., VII: 91-110.
- 1888b Notes sur quelques Hémiptères-Hétéroptères et descriptions d'espèces nouvelles ou peu connues.
Rev. d'Ent., VII: 189-198.

RIBAUT, H.

- 1920 Notes sur les Hémiptères-Hétéroptères (I-IV).
Bull. Soc. Hist. Nat. Toulouse, XLVIII: 65-72, 8 figs.
Key to French species of Pilophorus.
- 1921 Notes sur les Hémiptères-Hétéroptères (V-X).
Bull. Soc. Hist. Nat. Toulouse, XLIX: 301-311, 30 figs.
Genitalia of *Corizus crassicornis*.
- 1923a L'urite IX des mâles chez les Pentatomides.
Bull. Soc. Hist. Nat. Toulouse, LI: 183-184, fig.
- 1923b Etude sur le genre *Triphleps* (Heteroptera-Anthocoridae).
Bull. Soc. Hist. Nat. Toulouse, LI: 522-538, figs. 1-38.
The male genitalia are worked out.

RICH, Stephen Gottheil

- 1918a The respiratory organs of a Notonectid.
S. African Jour. Sci., XIV: 453-455, 2 figs.

RICHARDSON, N. M.

- 1907 The migration of aquatic Hemiptera.
Ent. Mo. Mag., (2) XVIII (XLIII): 105-107.

RILEY, C. F. Curtis

- 1912 Review of Henry H. P. Severin's and Harry C. Severin's "An experimental study of the death feigning of *Belostoma* (= *Zaitha aucct.*) *flumineum* Say and *Nepa apiculata* Uhler." *Science*, (N. S.) XXXV: 628-630.
- 1918 Food of aquatic Hemiptera.
Science, (N. S.) XLVIII: 545-547.
 Instance of other than animal diet.
- 1919- Some habitat responses of the large water-strider, *Gerris*
 1920 *remigis* Say.
Am. Nat., LIII: 394-414, 483-505; LIV: 68-83, 6 figs.
- 1920 Migratory responses of water-striders during severe droughts.
Bull. Brooklyn Ent. Soc., XV: 1-10.
- 1921a Distribution of the large water-strider, *Gerris remigis* Say,
 throughout a river system.
Ecology, II: 32-36, 3 figs.
- 1921b Responses of the large water-strider, *Gerris remigis* Say, to
 contact and light.
Ann. Ent. Soc. Am., XIV: 231-289, 12 figs.
- 1922a Droughts and cannibalistic responses of the water-strider,
Gerris marginatus Say.
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- 1922b Food during captivity of the water-striders, *Gerris remigis* Say
 and *Gerris marginatus* Say (Hem.).
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RILEY, Charles Valentine

- 1870 Second annual report on the noxious, beneficial, and other insects of the State of Missouri, made to the State Board of Agriculture, pursuant to an appropriation for this purpose from the legislature of the State.
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 Includes notes on the chinch bug and other Hemiptera, on pp. 15-36.

Riley, C. F. C. — Riley, C. V.: 174

- 1873 Fifth annual report, *etc.* [Identical title].
 8th Ann. Rept. St. Board Agr. for 1872, 160+8 pp., 75 figs.
 Includes account of *Nysius angustatus* on pp. 111-114, and Hemiptera
 frequenting yuccas on p. 154.
- 1879 Report of the entomologist.
 Ann. Rept. Comm. Agr. for 1878: 207-257, pls. 1-7.
- 1893 Report on a small collection of insects made during the Death
 Valley Expedition.
 N. Am. Fauna, VII: 235-268.
 See Uhler, 1893.
- 1895 Notes upon *Belostoma* and *Benacus*.
 Proc. Ent. Soc. Washington, III: 83-86, figs. 4-5.
 Discusses genitalia, etc.

RILEY, C. V. and HOWARD, L. O.

- 1889 The red bug or cotton stainer.
 Insect Life, I: 234-241.
 Life history of *Dysdercus suturellus*.
- 1892 An interesting aquatic bug.
 Insect Life, IV: 190-200.
 Description and figures of *Rheumatobates rileyi*, unnamed.
- 1893 An interesting water bug (*Rheumatobates rileyi* Bergroth).
 Insect Life, V: 189-194, figs. 18-20.
 Full descriptive account with a note on habits by Heidemann.

RILEY, William Albert

- 1907 Notes on the structure of insects.
 Am. Nat., XLI: 727-729.
 Ovaries of Hemiptera.

ROGERS, R. V.

- 1873 *Reduvius raptatorius*.
 Can. Ent., V: 155.
 Note on bite and ability to kill large *Dytiscus*.

Riley, C. V. and Howard — Rogers: 174

ROSENFELD, Arthur H.

- 1911 Insects and spiders in Spanish moss.

Jour. Ec. Ent., IV: 398-409.

Numerous species from Louisiana swamps, including Hemiptera determined by Heidemann.

ROSEWALL, O. W.

- 1922 Insects of the yellow thistle (Hem., Col., Lepid., Dip., Hym.).

Ent. News, XXXIII: 176-180.

Includes a brief list of Hemiptera from Louisiana.

ROSSI, Peter

- 1790 Fauna Etrusca, sistens insecta, quae in provinciis Florentina et Pisina praesertim collegit.

Liburni. 2 vols., illus.

- 1794 Mantissa insectorum, exhibens species nuper in Etruria collectas, adjectis faunae Etruscae illustrationibus ac emendationibus.

Pisa. 2 parts, illus.

ROTHSCHILD, N. Charles

- 1912 Notes on the structure of the sexually modified segments of the Cimicidae (= Clinocoridae), with special reference to Clinocoris columbarius (Jenyns).

Nov. Zool., XIX: 93-96, 9 figs.

- 1912 See Jordan and Rothschild.

ROUSSEAU, E.

- 1921 Les larves et nymphes aquatiques des insectes d'Europe (Morphologie, Biologie, Systématique).

Bruxelles. Vol. I, xx+967 pp., 344 figs.

Introduction, Rhynchota, and Neuropteroids, in collaboration with various authors. See Schouteden, 1921. Vol. II is in preparation.

ROYER, Maurice

- 1907 Hémiptères nouveaux ou peu connus de la faune française (Première note).
Bull. Soc. Ent. France, 1907: 55-57.
Remarks on the forms of *Nezara viridula*, gender of generic names, etc.
- 1910 Addenda et corrigenda catalogo Hemipterorum (Heteropterorum) auctore G. W. Kirkaldy.
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Includes a note on gender of generic names.
- 1923 Notes synonymiques (Hemipt.).
Bull. Soc. Ent. France, 1923: 250-252.
Includes list of varieties in *Stenodema*.

RÜBSAAMEN, E. H.

- 1895 Über russische Zooecidien und deren Erzeuger.
Bull. Soc. Nat. Moscou, 1895: 397-488, pls. 11-16.
Wanzengallen, pp. 428-432, pl. 15, fig. 8; pl. 16, fig. 39.
Gall-making Tingids, etc.

RYE, E. C.

- 1878 Developed membrane in British Pyrrhocoris.
Ent. Mo. Mag., XV: 135-136.

SAHLBERG, Reinhold Ferdinand

- 1842 Nova species generis Phytocoris (Fallén), ex ordine Hemipterorum descripta.
Acta Soc. Sci. Fennicae, I: 411-412.
- 1848 Monographia Geocorisarum Fenniae.
Helsingforsiae. 40+155 pp.

SAHLBERG, John Reinhold

- 1871 Hemiptera Heteroptera samlade under en resa i ryska Karelen sommaren 1869.
Not. Förh. Sällsk. Fauna Flora Fennicae, XI: 277-307.

Royer — Sahlberg: 177

- 1875 Synopsis Amphibicorissarum et Hydrocorissarum Fenniae.
Not. Förh. Sällsk. Fauna Flora Fennicae, XIV: 243-301.
- 1880 Sur des espèces arctiques du genre hémiptère Salda, et sur leur extension.
Ent. Tidskr., I: 167-168.
- 1920 Enumeratio Hemipterorum Heteropterorum faunae Fennicae.
Editio secunda aucta et emendata.
Bidr. Finlands Nat. och Folk, LXXIX, No. 2: 1-227, map.
Annotated list with references. Posthumous.

SAUNDERS, Edward

- 1870 Descriptions of two species of Hemiptera new to the British lists, and notice of a third.
Ent. Mo. Mag., VII: 156-157.
- 1871a Notes on British Hemiptera.
Ent. Mo. Mag., VIII: 110.
Cydnus vs. Aethus; see also the following.
- 1871b Note on the genus Cydnus.
Ent. Mo. Mag., VIII: 161.
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Conspectus generum Asopidum Europae et Americae, pp. 495-499.

Conspectus generum Discocephalidum, pp. 499-501.

Conspectus generum Pentatomidum Asiae et Australiae, pp. 501-522.

Conspectus generum Pentatomidum Americae, pp. 522-532.

Conspectus generum Acanthosomatidum Americae, pp. 532-534.

Coreida Americana, pp. 534-541, subfamily key.

Conspectus generum Placoscelididum, pp. 541-542.

Conspectus generum Alydidum Americae, pp. 542-543.

Conspectus generum Coreidum Americae, pp. 543-551.

Conspectus generum Smiliidum, pp. 551-556.

Conspectus generum Darnidum, pp. 556-560.

1868a Synopsis Saldarum Sueciae.

Ofv. Svenska Vet.-Ak. Förh., XXV, No. 6: 387-393.

1868b Synopsis Hydrobatidum Sueciae.

Ofv. Svenska Vet.-Ak. Förh., XXV, No. 6: 395-398.

Subdivision of Gerris is proposed.

1868-1869 Hemiptera Fabriciana. Fabricianska Hemipterarter, efter de i Köpenhamn och Kiel förvarade typexemplaren granskade och beskrifne.

Svenska Vet.-Ak. Handl., VII, No. II: 1-148 (1. Heteroptera); VIII, No. I: 1-130 (2. Homoptera).

Includes numerous new genera, keys to various groups, and corrections (in foot notes) to Stål's former works.

1869 Analecta hemipterologica.

Berliner Ent. Zeit., XIII: 225-242.

1870-1876 Enumeratio Hemipterorum. Bidrag till en foreteckning öfver alla hittills kända Hemiptera, jemte systematiska meddelanden.

1. Svenska Vet.-Ak. Handl., IX, No. 1, 1870: 1-232.

Enumeratio Scutellerinorum Americae, pp. 4-20. [Scutelleridae].

Enumeratio Asopinorum, pp. 21-59. [Pentatomidae, subf. Asopinae].

Enumeratio Tessaratominorum, pp. 80-78. [Pentatomidae, subf. Tessaratominae].

Enumeratio Dinidorinorum, pp. 79-89. [Pentatomidae, subf. Dinidorinae].

Enumeratio Pyrrhocorinorum, pp. 90-124. [Pyrrhocoridae]. Generic keys for Larginae and Pyrrhocorinae.

Enumeratio Coreinorum Americae, pp. 125-228. [Coreidae *sens. lat.*]. Numerous specific keys; for generic keys see Stål, 1867.

Addenda, pp. 229-232.

2. Svenska Vet.-Ak. Handl., X, No. 4, 1872: 1-159.

Enumeratio Cimicinarum Americae, pp. 3-65. [Pentatomidae, the subfamilies not already treated]. Numerous specific keys, few generic.

Enumeratio Reduviinorum Americae, pp. 66-128. [Reduviidae]. Complete keys to subfamilies and genera.

Addenda et rectificanda, pp. 129-131.

Index to 1 and 2, pp. 132-159.

3. Svenska Vet.-Ak. Handl., XI, No. 2, 1873: 1-163.

Enumeratio Scutellerinorum Europae, Asiae, Africae et Australiae, pp. 3-32. [Scutelleridae]. Full keys to tribes, genera and often to species.

Enumeratio Coreidarum Africae, Asiae et Australiae, pp. 33-100. [Coreidae, *sens. lat.*]. Full keys to subfamilies, tribes (divisions), genera and often to species.

Enumeratio Cimicidarum extraeuropaeorum, pp. 101-105. [Anthorcoridae and Cimicidae]. Keys to genera of Cimicidae only.

Enumeratio Nabidarum extraeuropaeorum, pp. 106-114. [Nabidae]. Full keys.

Enumeratio Tingitidarum extraeuropaeorum, pp. 115-134. [Tingidae, *sens. lat.*]. Very full keys.

Enumeratio Aradidarum extraeuropaeorum, pp. 135-147. [Aradidae]. Full keys.

Enumeratio Acanthiidarum extraeuropaeorum, pp. 148-149. [Acanthiidae-Saldidae]. Full keys.

Index to 3, pp. 150-163.

4. Svenska Vet.-Ak. Handl., XII, No. 1, 1874: 1-186.

Enumeratio Reduviidarum Europae, Africae, Asiae et Australiae, pp. 3-97. [Reduviidae]. Full keys.

Enumeratio Lygaeidarum extraeuropaeorum, pp. 98-170. [Lygaeidae. Includes Berytidae = Neididae, pp. 127-129]. Very full keys.

Index to 4, pp. 171-186.

5. Svenska Vet.-Ak. Handl., XIV, No. 4, 1876: 1-162.

Enumeratio Plataspinarum, pp. 3-16. [Plataspidae = Coptosomatidae]. Full keys.

Enumeratio Cydninorum extraeuropaeorum, pp. 17-27. [Cydnidae]. Without keys.

Stål — *Continued*: 196

- Enumeratio Pentatomidarum Africae, Asiae et Australiae, pp. 28-130.
[Pentatomidae]. Full keys.
Enumeratio Phymatidarum, pp. 131-136. [Phymatidae]. Full keys.
Enumeratio Galgularum, pp. 137-140. [Gelastocoridae]. Keys to
genera of Mononychinae.
Enumeratio Naucoridarum, pp. 141-147. [Naucoridae]. Full keys.
Index to 5, pp. 148-162.
- 1870 Hemiptera insularum Philippinarum. Bidrag till Philippinska
öarnes Hemipter-fauna.
Ofv. Svenska Vet.-Ak. Förh., XXVII, No. 7: 607-776, pls.
7-9.
- 1872a Genera Pentatomidarum Europae.
Ofv. Svenska Vet.-Ak. Förh., XXIX, No. 3: 31-40.
- 1872b Genera Reduviidarum Europae.
Ofv. Svenska Vet.-Ak. Förh., XXIX, No. 6: 43-48.
Includes a subfamily key; many American genera are treated.
- 1872c Genera Coreidarum Europae.
Ofv. Svenska Vet.-Ak. Förh., XXIX, No. 6: 49-58.
Includes a subfamily key; many American genera treated; addenda to
Stål, 1872a.
- 1872d Genera Lygaeidarum Europae.
Ofv. Svenska Vet.-Ak. Förh., XXIX, No. 7: 37-62.
Includes a subfamily key; many American genera are treated.
- 1874 Genera Tingitidarum Europae.
Ofv. Svenska Vet.-Ak. Förh., XXXI, No. 3: 43-59.
Treats many American genera.
- 1878 Sur les caractères distinctifs des Hétéroptères et des Homop-
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- 1829a A systematical catalogue of British insects, being an attempt to arrange all the hitherto discovered indigenous insects in accordance with their natural affinities; containing also the references to every English writer on entomology, and to the principal foreign authors; with all the published British genera to the present time.
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- 1915b Notes on Iowa Pentatomoidea.
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- 1916a Additional Iowa Pentatomoidea (Hem. Heter.).
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- 1916b Distributional notes on some Iowa Pentatomoidea.
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- 1917a The Pentatomoidea of the Lake Okoboji region.
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- 1903d Brief notes toward the life history of *Pelocoris femorata* Pal.
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- 1905b The tonal apparatus of *Ranatra quadridentata*, Stål.
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- 1905f *Nerthra sytgica* Say and some notes on the family Gelastocoridae.
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- 1907a On *Rhagovelia obesa* Uhler.
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- 1907b *Tetyra bipunctata* H.-S.
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- 1907c On some heteropterous Hemiptera from N. Carolina.
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- 1907d Two undescribed water bugs from the United States.
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- 1907e *Diplonychus*, Laporte (= *Hydrocyrius*, Spinola), and its relation to the other Belostomatid genera.
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A few Hemiptera are mentioned.

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- 1908e The broken hemelytra in certain Halobatinae.
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- 1908f Hemiptera Heteroptera of West Chester County, N. Y.
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- 1911c Algunos Hemipteros Heteropteros de Espana.
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- 1912a On Merragata lacunifera Berg.
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Includes key to Merragata species.
- 1912b Records of Heteroptera from Brownsville, Texas (Hemip.).
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- 1912c Three days in the pines of Yaphank. Records of captures of Hemiptera Heteroptera.
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- 1912d A new Corizus from the northeastern United States (Hemip. Coreidae).
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- 1912e Nezara viridula, an Hemipteron new to the northeastern United States.
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- 1912g Algunos Hemipteros de Cataluna.
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- 1913b Some Heteropterous Hemiptera from Southern Pines, N. C.
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- 1913c Remarks on the distribution of Heteroptera.
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- 1913d A curious deformity in a bug.
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- 1913e [Distributional notes].
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- 1913f On nomenclature. The principle of priority — its use and abuse.
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- 1915c Heteroptera from the west coast of South America.
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- Boll. Soc. Ent. Ital. Bollettino della Societa Entomologica Italiana. Florence.
- Brit. Mus. (Nat. Hist.) Pubs. Econ. Ser. British Museum (Natural History) Publications, Economic series. London.
- Bull. Agr. Exp. Sta. New York. Bulletin of the Agricultural Experiment Station of New York. Geneva.
- Bull. Am. Mus. Nat. Hist. Bulletin of the American Museum of Natural History. New York.
- Bull. Biol. France Belgique. Bulletin Biologique de la France et de la Belgique fondé par Alfred Giard. Paris.
- Bull. Biol. Survey. Bulletin of the Bureau of Biological Survey, U. S. Dept. of Agriculture. Washington.
- Bull. Brooklyn Ent. Soc. Bulletin of the Brooklyn Entomological Society. Brooklyn.
- Bull. Buffalo Soc. Nat. Sci. Bulletin of the Buffalo Society of Natural Sciences. Buffalo.
- Bull. Colorado Agr. Exp. Sta. Bulletin of the Colorado Agricultural Experiment Station. Fort Collins.
- Bull. Connecticut Geol. Nat. Hist. Surv. Bulletin of Connecticut State Geological and Natural History Survey. Hartford.
- Bull. Cornell Exp. Sta. Bulletin Cornell University Experiment Station. Ithaca.
- Bull. Ent. Hawaiian Sugar Pl. Assoc. Report of the work of the Experiment Station of the Hawaiian Sugar Planters' Association. Division of Entomology. Bulletin. Honolulu.
- Bull. Ent. Research. Bulletin of Entomological Research. London.
- Bull. Illinois St. Lab. Nat. Hist. Bulletin of the Illinois State Laboratory of Natural History. Peoria.
- Bull. Iowa Agr. Coll. Exp. Sta. Bulletin of the Iowa Agricultural College Experiment Station. Ames.
- Bull. Kansas Agr. Exp. Sta. Bulletin Kansas State Agricultural College Experiment Station. Manhattan.

- Bull. Kentucky Agr. Exp. Sta. Bulletin of the Kentucky Agricultural Experiment Station. Lexington.
- Bull. Lab. Nat. Hist. Univ. Iowa. Bulletin from the Laboratories of Natural History of the State University of Iowa. Iowa City.
- Bull. Liverpool Mus. Bulletin of the Liverpool Museum. Liverpool.
- Bull. Maine Agr. Exp. Sta. Bulletin of the Maine Agricultural Experiment Station. Orono.
- Bull. Minnesota Agr. Exp. Sta. Bulletin of the Minnesota Agricultural Experiment Station. St. Paul.
- Bull. Mus. Hist. Nat. Bulletin du Muséum d'Histoire Naturelle. Paris.
- Bull. Nat. Hist. Lab. Iowa St. Mus. Bulletin of the Natural History Laboratory of the Iowa State Museum.
- Bull. New York St. Mus. Bulletin of the New York State Museum. Albany.
- Bull. Nova Scotia Dept. Agr. Bulletin of the Nova Scotia Department of Agriculture. Truro.
- Bull. Ohio Biol. Surv. Bulletin of the Ohio Biological Survey. Columbus.
- Bull. Ohio St. Univ. The Ohio State University Bulletin. Columbus.
- Bull. Oklahoma Agr. Exp. Sta. Bulletin of the Oklahoma Agricultural Experiment Station. Stillwater.
- Bull. S. California Acad. Sci. Bulletin of the Southern California Academy of Sciences. Los Angeles.
- Bull. Sci. France et Belgique. Bulletin Scientifique de la France et de la Belgique. Paris.
- Bull. Sec. Sci. Acad. Roumaine. Bulletin de la Section Scientifique de l'Académie Roumaine. Bucarest.
- Bull. Soc. Ent. Belgique. Bulletin de la Société Entomologique de Belgique. Brussels.
- Bull. Soc. Ent. France. Bulletin de la Société Entomologique de France. Paris.
- Bull. Soc. Hist. Nat. Moselle. Bulletin de la Société d'Histoire Naturelle du Département de la Moselle. Metz.
- Bull. Soc. Hist. Nat. Toulouse. Bulletin de la Société d'Histoire Naturelle de Toulouse.
- Bull. Soc. Nat. Moscou. Bulletin de la Société Impériale des Naturalistes de Moscou. Moscow.
- Bull. Soc. Path. Exot. Bulletin de la Société de Pathologie Exotique. Paris.
- Bull. Soc. Sci. Bucarest. Bulletin de la Société (Roumaine) des Sciences de Bucarest-Roumanie. Bucarest.
- Bull. Soc. Sci. Med. l'Ouest France. Bulletin de la Société Scientifique et Médicale de l'Ouest de la France. Rennes.
- Bull. Soc. Zool. Acclim. Bulletin de la Société Impériale Zoologique d'Acclimatation. Paris.
- Bull. Tennessee Agr. Exp. Sta. Bulletin of the Tennessee Agricultural Experiment Station. Knoxville.
- Bull. Texas Agr. Exp. Sta. Bulletin of the Texas Agricultural Experiment Station. College Station.

- Bull. U. S. Dept. Agr. Bulletin of the United States Department of Agriculture. Washington.
- Bull. U. S. Dept. Agr. Bur. Ent. Bulletin of the United States Department of Agriculture. Bureau of Entomology. Washington.
- Bull. U. S. Dept. Agr. Div. Ent. Bulletin of the United States Department of Agriculture. Division of Entomology. Washington.
- Bull. U. S. Ent. Comm. Bulletin of the United States Entomological Commission. Washington.
- Bull. U. S. Geol. Geog. Surv. Terr. Bulletin of the United States Geological and Geographical Survey of the Territories. Washington.
- Bull. U. S. Nat. Mus. Bulletin of the United States National Museum. Washington.
- Bull. Wisconsin Nat. Hist. Soc. Bulletin of the Wisconsin Natural History Society. Milwaukee.
- Can. Ent. Canadian Entomologist. Toronto.
- Circ. New Jersey Agr. Exp. Sta. Circular of the New Jersey Agricultural Experiment Stations. New Brunswick.
- Circ. New Jersey Dept. Agr. Bur. Statistics and Insp. Circular of the New Jersey Department of Agriculture. Bureau of Statistics and Inspection. Trenton.
- Circ. New Jersey Board Agr. Circular of the New Jersey State Board of Agriculture. New Brunswick.
- Circ. U. S. Dept. Agr. Div. Ent. Circular of the United States Department of Agriculture. Division of Entomology.
- Cist. Ent. Cistula Entomologica. London.
- C. R. Acad. Sci. Comptes rendus hebdomadaires des Séances de l'Académie des Sciences. Paris.
- C. R. Assoc. française Av. Sci. Comptes rendus de l'Association française pour l'Avancement des Sciences. Paris.
- C. R. Ent. Belg. Comptes rendus de la Société Entomologique de Belgique. Brussels.
- C. R. Soc. Biol. Comptes Rendus hebdomadaires des Séances et Mémoires de la Société de Biologie. Paris.
- C.-R. Soc. helvétique Sci. Nat. Comptes-rendus de la Société helvétique des Sciences naturelles. Basel.
- Country Gentleman.
- Denkschr. med.-nat. Ges. Jena. Denkschriften der medicinisch-naturwissenschaftlichen Gesellschaft zu Jena. Jena.
- Denkschr. schweiz. Naturf. Ges. Denkschriften der schweizerischen Naturforschenden Gesellschaft. Zurich.
- Deutsche Ent. Zeits. Deutsche Entomologische Zeitschrift. Berlin.
- l'Échange. Lyon.
- Ecol. Ecology (continuing the Plant World). Brooklyn.
- Ectoparasites. London.
- Ent. Am. Entomologica Americana. Brooklyn.
- Ent. Ann. Entomologist's Annual. London.
- Ent. Jahrb. Entomologisches Jahrbuch. Leipzig.

- Ent. Mag. The Entomological Magazine (Newman's). London.
- Ent. Mag. (Japan). The Entomologist's Magazine (published in Japan).
- Ent. Medd. Entomologiske Meddelelser udgivne of Entomologisk Forening. Copenhagen - London.
- Ent. Mitteil. Entomologische Mitteilungen. Berlin.
- Ent. Mo. Mag. Entomologist's Monthly Magazine. London.
- Ent. Nachr. Entomologische Nachrichten. Berlin.
- Ent. News. Entomological News. Philadelphia.
- Ent. Rec. Jour. Var. Entomologist's Record and Journal of Variation. London.
- Ent. Rundsch. Entomologische Rundschau mit Anzeigenbeilage: Insektenbörse und Beilage: Entomologische Vereinsblatt. Stuttgart.
- Ent. Tidskr. Entomologisk Tidskrift utgifven af Entomologiska Foreningen i Stockholm.
- Entom. The Entomologist. An illustrated journal of general entomology. London.
- Ergeb. Pl.-Exp. Humboldt-Stiftung. Ergebnisse der Plankton-Expedition der Humboldt-Stiftung. Kiel u. Leipzig.
- Exp. Sta. Rec. Experiment Station Record. Washington.
- Farmers' Bull. U. S. Dept. Agr. Farmers' Bulletin of the United States Department of Agriculture. Washington.
- Faune de la Russie. Faune de la Russie et des Pays limitrophes fondée principalement sur les collections du Musée zoologique de l'Académie impériale des Sciences de St. Pétersbourg.
- Feuil. jeun. Nat. Feuille des jeunes Naturalistes. Paris.
- Field and Forest. Field and Forest; devoted to general natural history (Potomac-side Naturalists' Club). Washington.
- Florida Agriculturist.
- Florida Buggist. Gainesville.
- Florida Ent. The Florida Entomologist. Gainesville (continuation of the preceding).
- Fortschr. Nat. Forschung. Fortschritte der naturwissenschaftlichen Forschung. Berlin.
- Gen. Ins. See Wyts. Gen. Ins.
- Guide Nat. Guide to Nature. Sound Beach (Conn.).
- Gulf Biol. Sta. (Rept. Bull.). Gulf Biologic Station, Report and Bulletin. Baton Rouge.
- Hawaiian Forester and Agric. Hawaiian Forester and Agriculturist. Honolulu.
- Horae Soc. Ent. Ross. Horae Societas Entomologica Rossicae. (Troudy Russk. Ent.). St. Petersburg.
- Illustr. Zeitschr. Ent. Illustrierte Zeitschrift für Entomologie.
- Ind. Mus. Notes. Indian Museum Notes. Calcutta.
- Indiana Dept. Geol. Ann. Rept. Indiana Department of Geology and Natural Resources. Annual Report.
- Insect Life. Washington.
- Insect World. [Konchu Sekai]. Gifu (Japan).
- Int. Rev. ges. Hydrobiol. Internationale Revue der gesamten Hydrobiologie und Hydrographie. Leipzig.

- Invert. Pacif. Invertebrata Pacifica. Pomona (Calif.) and Santiago de Cuba.
- Irish Nat. Irish Naturalist. A monthly journal of general Irish natural history. Dublin.
- Isis. (Oder encyclopädische Zeitung). Jena.
- Jahrb. Ver. Naturk. Herz. Nassau. Jahrbücher des Vereins für Naturkunde im Herzogthum Nassau. Wiesbaden.
- Jahrb. nassau. Ver. Naturk. Jahrbücher des nassauischen Vereins für Naturkunde. Wiesbaden (continuation of the preceding).
- Jahrb. wiss. Anst. Jahrbuch der hamburgischen wissenschaftlichen Anstalten. Hamburg.
- Jahresber. schles. Ges. vaterl. Cultur. Jahresbericht der schlesischen Gesellschaft für vaterländische Cultur. Breslau.
- Jahresber. Ver. Nat. Mannheim. Jahresbericht des Vereins für Naturkunde zu Mannheim. Mannheim.
- Jahresber. zool. westfälischen Ver. Wiss. Kunst. Jahresbericht der zoologischen Section des westfälischen Provincial-Vereins (Versammlung) für Wissenschaft und Kunst. Münster.
- Jahresh. Ver. vaterl. Nat. Württemberg. Jahreshefte des Vereins für Vaterländische Naturkunde in Württemberg. Stuttgart.
- Jenaische Zeits. Naturwiss. Jenaische Zeitschrift für Naturwissenschaft. Jena.
- Jour. Acad. Nat. Sci. Philadelphia. Journal of Academy of Natural Sciences of Philadelphia.
- Jour. Agr. Res. Journal of Agricultural Research. Washington.
- Jour. An. Behav. Journal of Animal Behavior. Boston.
- Jour. Asiat. Soc. Bengal. Journal of the Asiatic Society of Bengal. Calcutta.
- Jour. Biol. Chem. Journal of Biological Chemistry.
- Jour. Bombay Nat. Hist. Soc. Journal of the Bombay Natural History Society.
- Jour. Cincinnati Soc. Nat. Hist. Journal of the Cincinnati Society of Natural History.
- Jour. Coll. Agr. Sapporo. Journal of the College of Agriculture, Sapporo (Japan).
- Jour. Coll. Sci. Journal of the College of Science, Imperial University of Tokyo.
- Jour. Comp. Neurol. Psychol. The Journal of Comparative Neurology and Psychology, Dennison University, Granville. Philadelphia.
- Jour. Ec. Biol. Journal of Economic Biology. London.
- Jour. Ec. Ent. Journal of Economic Entomology. Concord (Mass.).
- Jour. E. Mitchell Soc. Journal of the Elisha Mitchell Scientific Society. Chapel Hill, N. C.
- Jour. Ent. Journal of Entomology, descriptive and geographical. London.
- Jour. Ent. Zool. Journal of Entomology and Zoology. Claremont, Calif. (Continuation of Pomona Jour. Ent.).
- Jour. Exp. Zool. Journal of Experimental Zoology. Philadelphia.
- Jour. Hist. Nat. Journal d'Histoire Naturel. Paris.
- Jour. Linn. Soc. Zool. Journal of the Linnean Society. Zoology. London.
- Jour. New York Ent. Soc. Journal of the New York Entomological Society. New York.

- Jour. New York Micro. Soc. Journal of the New York Microscopical Society. New York.
- Jour. Quek. Micro. Club. Journal of the Quekett Microscopical Club. London.
- Jour. Royal Micro. Soc. Journal of the Royal Microscopical Society. London.
- Jour. Sarawak Mus. Sarawak Museum Journal. Singapore.
- Jour. Sci. Arts. Royal Inst. The Journal of Science and the Arts of the Royal Institute of Great Britain. London.
- Jour. Straits Asiat. Soc. Journal of the Straits Branch of the Royal Asiatic Society. Singapore.
- Jour. Washington Acad. Sci. Journal of the Washington Academy of Sciences. Washington.
- Jour. Zool. Research. Journal of Zoological Research. London.
- Kansas Univ. Sci. Bull. Kansas University Science Bulletin. Lawrence.
- Konowia. "Konowia" Zeitschrift für systematische Insektenkunde (mit Ausschluss von Coleopterologie und Lepidopterologie) unter Mitwirkung führender Entomologen. Vienna.
- La Nat. La Naturaleza; Periódico Científico. Mexico City.
- Le Nat. Le Naturaliste, Revue illustrée des Sciences Naturelles. Paris.
- Linnaea Ent. Linnaea Entomologica. Stettin.
- Mag. Ent. Magazin der Entomologie (Germar). Halle.
- Mag. Insectenk. Magazin für Insektenkunde. (Illiger). Braunschweig.
- Mag. Nat. Hist. The Magazine of Natural History. London.
- Mag. Zool. Magazin de Zoologie (Guérin). Paris.
- Math. Nat. Ber. Ungarn. Mathematische und naturwissenschaftliche Berichte aus Ungarn. Leipzig.
- Medd. Soc. Fenn. Meddelanden af Societas pro Fauna et Flora Fennica. Helsingfors.
- Mélanges Soc. Roy. Torino. Mélanges de philosophie et de mathématique (miscellanea taurinensis). Société royale. Turin.
- Mém. Acad. Sci. Mémoires de l'Académie royale des Sciences. Paris.
- Mém. Acad. Sci. Inst. France, Sav. Étr. Mémoires de l'Académie royale des Sciences: Institut de France. Savans Etrangers. Paris.
- Mém. Acad. Sci. St. Pétersbourg. Mémoires de l'Académie Impériale des Sciences de St. Pétersbourg.
- Mem. Asiat. Soc. Bengal. Memoirs of the Asiatic Society of Bengal. Calcutta.
- Mém. 1er Congr. internat. Ent. Mémoires 1er Congrès international d'Entomologie. Brussels.
- Mem. Cornell Agr. Exp. Sta. Cornell University Agricultural Experiment Station, Memoirs. Ithaca.
- Mem. Inst. Oswaldo Cruz. Memórias do Instituto Oswaldo Cruz. Rio de Janeiro.
- Mem. New York St. Mus. Memoirs of the New York State Museum. Albany.
- Mém. Soc. Ent. Belgique. Mémoires de la Société Entomologique de Belgique. Brussels.
- Mém. Soc. Imp. Nat. Moscou. Mémoires de la Société Imperiale des Naturalistes de Moscou. Moscow.

- Mém. Soc. Zool. France. Mémoires de la Société Zoologique de France. Paris.
- Mitt. Nat. Ver. Steiermark. Mittheilungen des naturwissenschaftlichen Vereines für Steiermark. Gratz.
- Mitt. Schw. Ent. Ges. Mittheilungen Schweizerische Entomologische Gesellschaft. Schaffhausen.
- Monthly Bull. California Comm. Hort. Monthly Bulletin of the California State Commission of Horticulture. Sacramento.
- Monthly Bull. Pennsylvania Dept. Agr. Div. Zool. Monthly Bulletin of the Pennsylvania Department of Agriculture, Division of Zoology. Harrisburg.
- Mus. Brooklyn Inst. Sci. Bull. Museum of the Brooklyn Institute of Arts and Science, Scientific Bulletin.
- Natur. Die Natur; Zeitung zur Verbreitung naturwissenschaftlichen Kenntniss und Naturanschauung, für aller Stände. Halle.
- Nature. Nature, a weekly illustrated journal of science. London.
- Nat. Can. Naturaliste Canadien. Quebec.
- Nat. Tidskr. Naturhistorisk Tidskrift (af Kroyer, etc.). Copenhagen.
- Nat. Tijdschr. Natuurkundige Tijdschrift. Arnheim.
- Naturwiss. Abh. Dorpat. Naturwissenschaftliche Abhandlungen aus Dorpat. Berlin.
- Nat. Wochenschr. Naturwissenschaftliche Wochenschrift. Jena.
- New York Coll. For. Tech. Pub. New York State College of Forestry, Technical Publications. Syracuse.
- New Zealand Jour. Sci. Tech. The New Zealand Journal of Science and Technology. Wellington.
- N. Am. Fauna. North American Fauna. Washington.
- Not. Ent. Notulae entomologicae edidit Societas Entomologica Helsingforensis.
- Not. Förh. Sällsk. Fauna Flora Fennica. Notiser ur Förhandlingar Sällskapets pro Fauna et Flora Fennica. Helsingfors. (See Ent. Mo. Mag., VIII: 217-218).
- Notes Leyden Mus. Notes from the Leyden Museum. Leyden.
- Nova Acta Leop. Carol. Ac. Nat. Nova Acta Academiae Caesareae Leopoldino-Carolinae Germanicae Naturae Curiosorum (Kaiserlicher Leop. Carol. deutschen Academie der Naturforscher). Halle.
- Nov. Zool. Novitates Zoologicae. London.
- Occas. Papers Boston Soc. Nat. Hist. Occasional Papers of the Boston Society of Natural History.
- Occas. Papers Mus. Zool. Univ. Michigan. Occasional Papers of the Museum of Zoology, University of Michigan. Ann Arbor.
- Ofv. Finska Vet.-Soc. Förh. Ofversigt af Finska Vetenskaps-Societätens Förhandlingar. Helsingfors.
- Ofv. Svenska Vet.-Ak. Förh. Ofversigt af Kongliga Svenska Vetenskaps-Akadmien's Förhandlingar. Stockholm.
- Ohio Jour. Sci. Ohio Journal of Science. Columbus. Continuation of the next.
- Ohio Nat. Ohio Naturalist. Columbus.
- Ohio St. Univ. Bull. Ohio State University Bulletin. Columbus.
- Ottawa Nat. Ottawa Naturalist.

- Parasitology. Cambridge.
- Pet. Nouv. Ent. Petites Nouvelles Entomologiques. Paris.
- Philippine Jour. Sci. Philippine Journal of Science. Manila.
- Pomona Jour. Ent. Pomona Journal of Entomology. Claremont (Calif.).
- Prairie Farmer. Chicago.
- Proc. Acad. Nat. Sci. Philadelphia. Proceedings of the Academy of Natural Sciences of Philadelphia.
- Proc. Acadian Ent. Soc. Proceedings of the Acadian Entomological Society. Truro, Nova Scotia. Formerly Proc. Ent. Soc. Nova Scotia.
- Proc. Am. Assoc. Adv. Sci. Proceedings of the American Association for the Advancement of Science. Salem (Mass.).
- Proc. Am. Ent. Soc. Proceedings of the American Entomological Society. Philadelphia.
- Proc. Biol. Soc. Washington. Proceedings of the Biological Society of Washington.
- Proc. Boston Soc. Nat. Hist. Proceedings of the Boston Society of Natural History.
- Proc. California Acad. Sci. Proceedings of the California Academy of Sciences. San Francisco.
- Proc. Davenport Acad. Nat. Sci. Proceedings of the Davenport Academy of Natural Sciences. Davenport (Ia.).
- Proc. Ent. Soc. British Columbia. (Syst. Ser.). Proceedings of the Entomological Society of British Columbia. (Systematic Series). Victoria.
- Proc. Ent. Soc. London. Proceedings of the Entomological Society of London.
- Proc. Ent. Soc. Nova Scotia. Proceedings of the Entomological Society of Nova Scotia. Truro.
- Proc. Ent. Soc. Philadelphia. Proceedings of the Entomological Society of Philadelphia.
- Proc. Ent. Soc. Washington. Proceedings of the Entomological Society of Washington.
- Proc. Hawaiian Ent. Soc. Proceedings of the Hawaiian Entomological Society. Honolulu.
- Proc. Int. Zool. Congr. Proceedings of the Internal Zoological Congress.
- Proc. Iowa Acad. Sci. Proceedings of the Iowa Academy of Sciences. Des Moines.
- Proc. Linn. Soc. N. S. Wales. Proceedings of the Linnean Society of New South Wales. Sidney.
- Proc. Mt. Royal Ent. Club. Proceedings of the Mount Royal Entomological Club. Montreal.
- Proc. Nat. Sci. Assoc. Staten I. Proceedings of the Natural Science Association of Staten Island, N. Y.
- Proc. R. Soc. Victoria. Proceedings of the Royal Society of Victoria. Melbourne.
- Proc. U. S. Nat. Mus. Proceedings of the United States National Museum. Washington.
- Proc. Washington Acad. Sci. Proceedings of the Washington Academy of Sciences.
- Proc. Zool. Soc. London. Proceedings of the Zoological Society of London.
- Psyche. Psyche, a Journal of Entomology. Boston.
- Progr. Stey. ober-Realschule.

- Quart. Bull. St. Plant Bd. Florida. The Quarterly Bulletin of the State Plant Board of Florida. Gainesville.
- Rept. Board Geol. Surv. Michigan.
- Rept. Can. Arctic Exp. Report of the Canadian Arctic Expedition. Ottawa.
- Rept. Iowa State Agr. Soc. Report of the Iowa State Agricultural Society. Ames.
- Rept. Massachusetts St. Bd. Agr. Report of the Massachusetts State Board of Agriculture. Boston.
- Rept. New York St. Mus. Annual Report of the Regents. University of the State of New York. New York State Museum. Albany.
- Rept. Ohio State Acad. Sci. Report of the Ohio State Academy of Science. Columbus.
- Rept. Smithsonian Inst. Annual Report of the Board of Regents of the Smithsonian Institution. Washington.
- Rept. St. Ent. Illinois. Report of the State Entomologist on the Noxious and Beneficial Insects of the State of Illinois. Springfield.
- Rept. St. Ent. Minnesota. Report State Entomologist of Minnesota to the Governor. St. Paul.
- Rept. U. S. Ent. Comm. Report of the United States Entomological Commission. Washington.
- Rept. U. S. Geol. Geog. Surv. Terr. Report of the United States geological and geographical survey of the territories (F. V. Hayden in charge). Washington.
- Rev. Biol. Nord France. Revue Biologique du Nord de la France. Lille.
- Rev. Chilena Hist. Nat. Revista Chilena de Historia Natural. Organo del museo de Valparaiso.
- Rev. d'Ent. Revue d'Entomologie. Caen.
- Rev. Mag. Zool. Revue et Magasin de Zoologie pure et appliquée (etc.) par Guérin-Ménéville. Paris.
- Rev. Russe. d'Ent. Revue Russe d'Entomologie. St. Petersburg.
- Rev. Suisse Zool. Revue Suisse de Zoologie. Annales de la Société zoologique suisse et du Musée d'Histoire Naturelle de Genève. Geneva.
- Rev. Zool. Revue Zoologique par la Société cuvierienne; Association Universelle pour L'Avancement de la Zoologie, de l'Anatomie comparée et de la Palaeontologie; Journal mensuel. Publié sous la Direction de M. F. E. Guérin-Ménéville. Paris.
- Rev. Zool. Afr. Revue Zoologique Africaine. Brussels.
- Revista Agr. Com. Trab. Revista de Agricultura, Comercio y Trabajo. Havana.
- Revista Inst. Bact. Revista del Instituto Bacteriológico del Departamento Nacional de Higiene. Buenos Ayres.
- Riv. Patol. Veg. Rivista di Patologia Vegetale. Florence.
- Science. New York, etc.
- Science Gossip. Hardwicke's Science Gossip, (etc.). London.
- Senckenbergiana. Frankfurt a. M.
- Silb. Rev. Ent. Revue entomologique publiée par Silbermann. Strassburg.
- Sitz.-ber. böhmische Ges. Wiss. Classe. Sitzungsberichte der königlich-böhmische Gesellschaft der Wissenschaften, Mathematisch-naturwissenschaftliche Classe. Prague.

- Sitz.-ber. Ges. naturf. Berlin. Sitzungs-Berichten der Gesellschaft naturforschender Freunde zu Berlin.
- Skrift. nat. Selsk. Kjobenhaven. Skrifter af Naturhistorie Selskabet Kjobenhaven. Copenhagen.
- Societas Ent. Societas Entomologica. Berlin.
- S. African Jour. Sci. The South African Journal of Science. Cape Town.
- Stett. Ent. Zeit. Entomologische Zeitung hrsg. von dem entomologischen Vereine zu Stettin.
- Svenska Vet.-Ak. Handl. Kongliga Svenska Vetenskaps-Akademien Handlingar. Stockholm.
- Tagebl. Vers. deutsch. Naturf. Tageblatt der Versammlung der Gesellschaft deutscher naturforscher und Aerzte. Halle.
- Tech. Bull. Univ. California Agr. Exp. Sta. Technical bulletin of the University of California Agricultural Experiment Station, etc. Berkeley.
- Tech. Bull. Agr. Exp. Sta. New York. Technical Bulletin of the Agricultural Experiment Station of New York. Geneva.
- Tech. Bull. South Dakota St. Coll. Technical Bulletin of the South Dakota State College. Brookings.
- Tech. Pub. New York St. Coll. For. Technical Publication of the New York State College of Forestry at Syracuse University. Syracuse.
- Term. Füz. Termeszetráji Füzetek. Budapest.
- Tijd. v. Ent. Tijdschrift voor Entomologie, uitgegeven door de Nederlandsche entomologische Vereeniging s'Gravenhage. Haarlem.
- Trans. Am. Ent. Soc. Transactions of the American Entomological Society. Philadelphia.
- Trans. Am. Micro. Soc. Transactions of the American Microscopical Society. Decatur (Ill.).
- Trans. Am. Phil. Soc. Transactions of the American Philosophical Society. Philadelphia.
- Trans. 2nd Congr. Ent. Transactions 2nd International Congress of Entomology. Oxford.
- Trans. Ent. Soc. London. Transactions of the Entomological Society of London.
- Trans. Illinois Acad. Sci. Transactions of the Illinois Academy of Science.
- Trans. Illinois Agr. Soc. Transactions of the Illinois State Agricultural Society. Springfield.
- Trans. Kansas Acad. Sci. Transactions of the Kansas Academy of Science. Topeka.
- Trans. Linn. Soc. London. Transactions of the Linnean Society of London.
- Trans. Maryland Acad. Sci. Transactions of the Maryland Academy of Sciences. Baltimore.
- Trans. Micro. Soc. London. Transactions of the Microscopical Society of London.
- Trans. New York Agr. Soc. Transactions of the New York State Agricultural Society. Albany.
- Trans. New Zealand Inst. Transactions and Proceedings of the New Zealand Institute. Wellington.

- Trans. San Diego Soc. Nat. Hist. Transactions of the San Diego Society of Natural History.
- Trans. Sapporo Nat. Hist. Soc. Transactions of the Sapporo Natural History Society. (Japan).
- Trans. Wisconsin Acad. Sci. Transactions of the Wisconsin Academy of Sciences, Arts and Letters. Milwaukee.
- Trans. Zool. Soc. London. Transactions of the Zoological Society of London.
- Troudy Russk. Ent. (See Horae Soc. Ent. Ross.).
- Ueb. Arb. Ver. schlesischen Ges. vat. Kultur. Uebersicht der Arbeiten und Veränderungen des schlesischen Gesellschaft für vaterländische Kultur. Breslau.
- Univ. California Pubs. Ent. University of California Publications. Technical Bulletins, College of Agriculture, Agricultural Experiment Station, Entomology. Berkeley.
- Univ. Colorado Studies. University of Colorado Studies. Boulder.
- Univ. Iowa Studies. Nat. Hist. University of Iowa Studies. Studies in Natural History. Iowa City.
- Univ. Nebraska Studies. University of Nebraska Studies. Lincoln.
- Verh. naturf. Ver. Brünn. Verhandlungen des naturforschenden Vereins in Brünn.
- Verh. nat. Ver. preuss. Rheinlands u. Westphalens. Verhandlungen des naturhistorischen Vereins der preussische Rheinlands und Westphalens. Bonn.
- Verh. zool. bot. Ges. Wien. Verhandlungen der k. k. zoologisch-botanischen Gesellschaft in Wien. Vienna.
- Versl. Med. Ak. Wetens. Afd. Nat. Verslagenen Mededeelingen der Koninklijke Akademie van Wetenschappen, Letterkunde en Schoone Kunsten te Amsterdam. Afdeling Natururkunde.
- Vet. Ak. Nya Handl. Vetenskaps Akademien nya Handlingar. Stockholm.
- Washington Univ. Studies. Washington University Studies. St. Louis.
- West. Ind. Bull. West Indian Bulletin, the Journal of the Imperial Agricultural Department for the West Indies. Barbadoes.
- Wiener Ent. Monat. Wiener Entomologische Monatschrift. Vienna.
- Wiener Ent. Zeit. Wiener Entomologische Zeitung. Vienna.
- Wyts. Gen. Ins. Genera Insectorum dirigés par P. Wytsman. Brussels.
- Zeits. allgem. Physiol. Zeitschrift für allgemeine Physiologie (Verworn). Jena.
- Zeits. angew. Ent. Zeitschrift für angewandte Entomologie herausgegeben von Prof. D. K. Escherich. Berlin.
- Zeits. Ent. Zeitschrift für die Entomologie (Germar). Leipzig.
- Zeits. ges. Naturw. Zeitschrift für die gesammten Naturwissenschaften. Berlin.
- Zeits. Pflanzenkrank. Zeitschrift für Pflanzenkrankheiten. Stuttgart.
- Zeits. Wiss. Insektenbiol. Zeitschrift für wissenschaftliche Insektenbiologie. Berlin.
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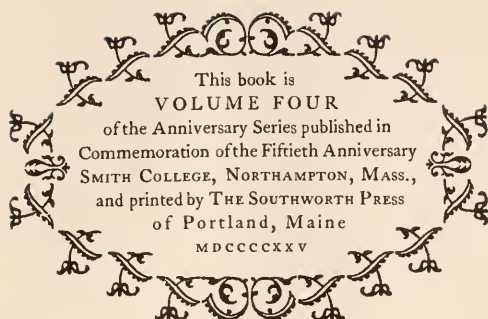
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